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RURAL SETTLEMENT OF MILLGROVE  
GROUND WATER QUALITY SURVEY FOR  
THE WEST CENTRAL REGION MINISTRY  
OF THE ENVIRONMENT







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GOVERNMENT DOCUMENTS

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GROUND WATER QUALITY SURVEY  
FOR  
THE WEST CENTRAL REGION  
MINISTRY OF THE ENVIRONMENT

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AS REPRESENTED BY THE MINISTRY OF THE ENVIRONMENT

PROJECT 90163.00

JULY, 1990

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July 10, 1990

Ministry of the Environment,  
West Central Region,  
119 King Street West, Box 2112,  
Hamilton, Ontario  
L8N 3Z9

Attention: Mr. Bill Blackport, M.Sc.

Dear Sirs:

Re: Millgrove Ground Water Quality Survey  
Project Number: 90163.00

We are pleased to forward our draft report to document the results of the detailed quality assessment of the ground water resources in the vicinity of the rural settlement of Millgrove. The text of the report provides a summary of the methodology adopted for the study, together with a discussion of the chemical and bacteriological water quality results obtained from the residential water wells which were sampled as part of this program. The supporting technical information such as chemistry results, water well records and survey forms are provided in the Appendix.

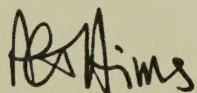
In addition to the normal distribution of this document, we suggest that a copy of the final report be forwarded to the Millgrove Public Library so that the report is made available for review by the residents of Millgrove. For that copy of the report, the "Owner Address" list and the "Sampling Location Description" columns in the VOC and chemical parameter result tables should be removed to honour the confidentiality of the water-well owners.

Once you have had the opportunity to review the contents of the report, your comments can be included and we will finalize the report for final distribution.

Thank-you for the opportunity to assist on this interesting project. If there re any questions, please contact us.

Yours truly,

JAGGER HIMS LIMITED



A.G. Hims, P.Eng.  
Consulting Engineer

AGH/st







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## 1.0 INTRODUCTION

### 1.1 BACKGROUND

Jagger Hims Limited was retained by the Ontario Ministry of the Environment (MOE) to undertake a detailed survey of the ground water quality from residential well supplies in the vicinity of the rural settlement of Millgrove (see Figures 1 and 2 for study area details). Millgrove is located approximately 9 km north of Hamilton in West Flamborough Township at the intersection of Highway 6 and Fifth Concession Road.

Residences in the Millgrove area rely on individual wells for potable water supplies and septic systems for waste water disposal. The septic systems are typically constructed in surficial granular deposits generally consisting of fine sand and silt, although some areas of fine grained clay till soils may locally be present. The surficial soil deposits form an unconfined aquifer which is also used as a source of potable water by several of the residences in the Millgrove area. Under these conditions, the potential exists for septic contamination to occur in the water supplies which are obtained from those wells developed within the unconfined aquifer.

The majority of the water supplies are typically obtained from drilled wells developed in the bedrock aquifer which is present beneath Millgrove at a depth of between 15 to 30 m. A few wells are screened in the 1 to 2 m thick discontinuous gravel layer that overlies the bedrock. Silt, sands, and possibly clays comprise the remainder of the sediments that overlie the bedrock. The presence of fine grained soils between the unconfined aquifer in the surficial sand deposits, and the confined aquifers in the discontinuous gravel layer and the fractured bedrock, significantly reduces the potential for septic contamination to occur in the water supply from the confined aquifer.

Several previous groundwater studies have been conducted in the vicinity of Millgrove. In 1969, a sanitary survey was carried out in several residential areas in the Township of West Flamborough by the Sanitary Engineering Division of the Ontario Water Resources Commission. The survey was undertaken to determine the adequacy of the existing water and sewage disposal facilities, and to make recommendations for improvement where conditions warrant. The sanitary survey concluded that: (1) in areas with clay soil conditions, the effectiveness of disposal septic systems is limited; (2) the ground water is of satisfactory quality with the exception of hardness and iron; (3) in the Millgrove area, 7 of the 8 water samples had "adverse" bacteriological results (a positive total





coliform or fecal coliform count); and (4) communal well supplies should be installed in areas where there is inadequate drinking water, or where the major portion of the individual well supplies are contaminated.

In 1976, Underwood, McLelland and Associates Limited (UMA) completed a settlement capability study of the Hamilton-Wentworth Region for the Official Plan Division of the Hamilton Wentworth Region's Planning and Development Department. The UMA study concluded that:

- the bacterial counts reported in the 1969 sanitary survey indicate insufficient separation between ground surface and water table, or inadequate seals at the well casing tops;
- the ground water chemical quality is suitable for domestic use; and
- based on the extent of the existing community together with the size of the lots within the developed area, the limited ground water potential, and the existing water quality problems, the growth potential of Millgrove was limited.

It was recommended that:

- Millgrove be protected from any significant future growth until the existing water supply problems were rectified;
- the community would best be served by a communal well separated from the development, to minimize possible contamination of the bedrock aquifer at the well location; and
- a communal well system might result in increased water usage that could cause failure of existing tile fields and require the installation of a communal sewerage system with a connection to the Dundas system.

Morrison Beatty Limited published three reports on a proposed residential subdivision (along Cumminsville Drive) for part of Lot 18, Concession 5, Township of Flamborough. The soil suitability, ground water availability, and test drilling/well construction reports were requested by Granger Associates Incorporated, Planning and Development Consulting Services as part of the planning approvals process.





Morrison and Beatty Limited concluded that:

- individual wells could be drilled into the bedrock aquifer where there is an adequate quantity of good quality water;
- analysis of performance tests on the two test wells yielded a transmissivity value of  $2 \times 10^{-4} \text{ m}^2/\text{s}$  and storativity values of  $3 \times 10^{-6}$  and  $9 \times 10^{-5}$  for the bedrock aquifer; and
- interference with existing domestic supplies would be minimal.

It was also recommended that approval be given for on-site sewage disposal using septic tanks and absorption fields.

A settlement capability study of the Millgrove area, undertaken in 1986 by Trow Hydrology Consultants for the Regional Municipality of Hamilton-Wentworth, concluded that:

- based on an assessment of direct recharge, and assuming a water requirement of 2735 L/day per household, a maximum of 40 new lots with a minimum lot size of 0.7 ha (1.7 acres) could be sustained in the Millgrove area;
- the ground water obtained from domestic wells completed in the dolomite bedrock is slightly alkaline, has a slightly basic pH, and sometimes contains elevated levels of iron;
- as part of the approval process for plans of subdivision or individual severance, a site specific study including the construction of at least one test well and a soil test pit should be undertaken by the developer;
- for larger developments, at least one piezometer nest should be installed and tested to assess the hydraulic conductivity of granular deposits, the hydraulic gradient, and the sewage loading potential; and
- properly designed, constructed, and maintained raised septic tile beds must be utilized in areas having high water table conditions or unacceptable percolation rates.





## 1.2 OBJECTIVES AND SCOPE

The objective of this study, as defined in the Terms of Reference, is to assess the impact of residential development, specifically septic discharge, on the ground water quality. The objective is to be achieved by the consultant completing a review of all the existing hydrogeological data on file with the Ministry, undertaking a methodological ground water quality survey and the documentation of the results in a final report. The report is to be presented to the MOE and the Health and Social Services Committee of the Regional Municipality of Hamilton-Wentworth. Also, this proposal and final report are to be submitted to the Institute of Groundwater Research at the University of Waterloo for technical review and comment.

The ground water quality survey involved completing an analysis of 20 to 25% of the wells in the survey area for the following chemical and bacterial parameters: electrical conductivity, pH, hardness, alkalinity, calcium, magnesium, sodium, potassium, manganese, sulphate, total Kjeldahl nitrogen, nitrate as nitrogen, ammonium as nitrogen, nitrite as nitrogen, chloride, iron, total coliform MF, total coliform MFBKGD, fecal coliform MF, and fecal streptococcus. In addition, at least 20% of the sampled wells were to be selected for a gas chromatography and mass spectrometer scan to detect volatile organic carbon chemicals that might be present.

Thus, the study intended to provide a detailed assessment of the ground water quality in the vicinity of Millgrove, with particular emphasis on the potential impacts associated with on-site sewage disposal by means of private septic systems.

During the course of this study, several areas of ground water related concerns were expressed by residents. Those concerns are listed below:

- The perceived potential for contamination of water supplies from the proposed landfill to be constructed within a presently active quarry operation located southwest of Millgrove.
- Siltation in wells that is alleged to result from blasting operations at the same quarry.
- The possibility of contamination of water supplies from the closed Edgewood Road Landfill, located to the northwest of Millgrove.





*possibility*

- The published allegation that the operation of a slaughterhouse and meat packaging facility located west of Millgrove may be affecting the quality of water in nearby wells.
- The presence of a sulphurous odour to the water, water that stains fixtures, and hard water were frequently expressed concerns.
- The possibility of contamination of water supplies from septic fields.
- The alleged inefficient septic tile field operation caused by frequent flooding in the area near Grindstone Creek between Highway 6, Millgrove Sideroad, and the Fifth Concession Road. The flooding is reportedly the result of sediment build-up in the channel course of Grindstone Creek.

### 1.3 METHODOLOGY

The Millgrove ground water quality survey involved both office analysis and field investigations. Initially, the hydrogeologic setting of the study area was reviewed based on an office analysis of geologic maps, previous consultants' reports, MOE water well records (refer to Figure 3 and Table 1) and interpretation of aerial photographs. The field component of the study involved an initial site reconnaissance visit through Millgrove on February 24, 1990 to try and document the number and location of both the shallow dug wells and the deep, steel-cased, drilled wells within the study area. Unfortunately, the combination of wind blown snow cover and the basement location of many of the well heads did not permit this. As a result, a program of direct contact with the water well owners was initiated by means of either a door-to-door survey or a mailed water well survey response form which was completed by the well owner and returned by mail to our office. On March 2, 1990 a covering letter (refer to the Appendix), a Water Well Reconnaissance Survey Form, and a stamped, self-addressed envelope were placed in each mailbox and general delivery box at the Millgrove Post Office. The survey form required the home owner to provide whatever information they could about such aspects as:

- type of septic system used by the resident, and the location of the system relative to their water well;
- well construction;





- well water levels;
- type of pump and its location; and
- any previous problems with the well.

Those residents located along Highway #6 do not receive their mail through the local Millgrove Post Office. Consequently, on March 22, 1990 a package identical to that placed in the Millgrove Post Office boxes was hand-delivered to the roadside mail boxes located along that portion of Highway #6 which is within the study area. The package was also made available to residents in a display box at the Millgrove Public Library. The deadline for submission of the completed Water Well Reconnaissance Survey form was extended several times to enable all of the completed responses to be included in the study.

The survey results were reviewed and the locations identified on the base map. The water wells of specific residences were selected for sampling and chemical/bacteriological analysis based on the following criteria:

- the return of the completed survey questionnaire, and the likelihood of correlating an MOE water well record with the water well being sampled;
- location within the study area;
- a past history of water well problems;
- proximity between the septic tile field and the water well; and
- to develop an adequate areal spread of sampling points throughout the study area.

At this stage of the program, three other areas which were located outside the original core study area (see Figure 1), were included for water sampling as a result of concern expressed to us by local residents, media coverage, and approval from MOE to expand the study area and include these areas in the program. The additional areas are as follows:





- i) Vicinity of Closed Edgewood Road Landfill - This area is located 1.5 km to the northwest of the original core study area and includes the 10 wells closest to the now-closed Edgewood Road Landfill.
- ii) Carey Street - This area is located west of the Millgrove core, along Carey Street, and it was included as a result of concern expressed by residents with respect to septic effluent contamination reportedly the result of the "small" lot sizes. Also, several residents along Carey Street complained of "foul smelling" water.
- iii) Vicinity of Millgrove Packers - The third area is located about 600 m west of Carey Street. Some of the residents located adjacent to Millgrove Packers, which is a commercial abattoir and meat packing operation, had expressed concern about the possible impacts on ground water quality associated with the spray irrigation disposal of effluent from the holding tank used at the abattoir onto the adjacent agricultural lands.

After selecting the areas and the individual water wells to be sampled, a door-to-door water well reconnaissance survey was performed between March 25 and April 3, 1990. Daytime, evening, and weekend walk-bys to identify the type of well, and in many cases to contact the home owners to obtain samples of the well water were performed on about 280 residences. Not all of the water wells of the residences initially selected for sampling could be sampled due to (i) the residents' absence at the time of the visit or (ii) the residents' refusal to consent to water sampling. Generally, when the resident was absent, a notification of the visit was left at the residence. Typically, the nearest accessible well was then used to obtain a water sample.

The procedure used for water sampling involved:

- obtaining verbal consent from the resident to sample the well water;
- tracing the well water line from the point of entry into the residence to the sampling point, thereby avoiding, or bypassing water treatment systems;
- a non-swivel tap was selected as the sampling point and the aerator tip was removed;
- water was flushed from the sampling point for at least 5 minutes prior to sampling;





- the water samples were collected using the method endorsed by the Ministry of Health; and
- the samples were stored on ice until delivery to either the Ministry of the Environment laboratory in Toronto, or to the Health Department facility.

Seventy - two water samples were collected and analyzed for the following general inorganic chemistry parameters:

- |                           |                           |
|---------------------------|---------------------------|
| ● electrical conductivity | ● potassium               |
| ● pH                      | ● chloride                |
| ● alkalinity              | ● sulphate                |
| ● hardness                | ● total Kjeldahl nitrogen |
| ● calcium                 | ● total ammonium          |
| ● magnesium               | ● total nitrates          |
| ● sodium                  | ● nitrites                |

The MOE laboratory in Toronto did not analyze for iron or manganese. Duplicate water samples were also submitted to the Public Health laboratory in Hamilton which were analyzed only for total coliform count and fecal coliform count.

Of the 72 water wells sampled, 28 wells were selected during the field survey for the collection of additional water samples for the analysis of volatile organic carbon species by the MOE laboratory.

The results of the bacteriological analyses were sent directly from the laboratory to the Hamilton office of the Ministry of Health. As a precautionary measure, the owners of those wells that exhibited adverse bacteriological counts were contacted directly by the Department of Health within 48 hours of the determination of the adverse count.

All of the laboratory analysis results (chemical and bacteriological) were then forwarded from the Hamilton MOE office to Jagger Hims Limited for evaluation. Data analysis and interpretation of the results was completed and are discussed in the following sections.





## 2.0 STUDY RESULTS

### 2.1 GEOLOGICAL SETTING

Located 9 km north of Hamilton and northwest of the Niagara Escarpment, on lands that are drained by the Grindstone Creek system, the study area is part of the physiographic region known as the Norfolk Sand Plain (Chapman and Putnam, 1984). This area is characterized by shallow waterlain lacustrine sediments, consisting of silt and fine sand that were deposited as deltaic sheets within glacial lakes Whittlesey and Warren. To the north and south of the site, glacial till moraine soils underlie the lacustrine deposits. As documented in previous reports, dolostone bedrock underlies the soils beneath the study area. The surficial soils of the study area typically consist of between 16 and 29 m of silt and sand deposits (see Figures 4 and 5) with two, 250 m wide, elongated lobes of clay till trending across the site. The southern band of clay till crosses Highway #6 between the intersections with Fifth Concession Road West and Fifth Concession Road East, and traverses the study area to across Millgrove Side Road in the south. The northern clay till lobe extends across the southern tip of Carey Street, and juts slightly north of the Fifth Concession Road West, about 800 m west, of Highway #6, and terminates 200 m south of Cumminsville Drive.

The underlying bedrock is a Silurian-age fine to coarse crystalline dolostone and bituminous dolomite of the Lockport Formation. The topmost member of that formation is the 16 to 17 m thick Eramosa Member. The uppermost 2 to 3 m of the Eramosa Member consists of a massive bedded section, with gypsum nodules reportedly up to 0.5 m in diameter; cavities apparently developed as a result of the dissolution of gypsum nodules, and laminated chert nodules.

According to the 1989 Phase II Report on the Steetley Quarry, performed by Golder Associates, sulphides (sphalerite, galena, and pyrite), gypsum (selenite), and dolomite mineralization are also associated with the upper 2 to 3 m of the Eramosa member. A distinct "diesel" odour from freshly broken rock surfaces is evidence that the Eramosa Member is slightly petroliferous throughout.

### 2.2 GROUND WATER SETTING

Three aquifers, or water bearing units, are reportedly used for potable water supplies by the residents of Millgrove. The three aquifers are described below.





i) Bedrock Wells

Wells drilled through the overlying soil deposits and into the Eramosa member of the Lockport Formation bedrock obtain ground water which is moving through joints, fractures, and solution channels. Ground water movement in fractured bedrock is typically variable and locally unpredictable, and consequently water well yields are similarly highly variable. Within the Millgrove area, the reported well yields generally vary between 0.15 L/s and 3.0 L/s (2 to 40 gpm). The average yield value is about 1.3 L/s (17 gpm).

Based on the December 1989 water level measurements for three observation wells (refer to OW1, OW2, and OW3 on Figure 3) monitored by the Regional Municipality of Hamilton-Wentworth, the hydraulic gradient within the Lockport Formation indicates ground water flow in this area is southeast towards the Niagara Escarpment, which is consistent with published regional trends in the aquifer.

ii) Soil - Bedrock Interface

A discontinuous layer of gravel reportedly overlies the bedrock to a thickness of 2 m. The MOE water well records indicate that in the Millgrove area, a few drilled wells are developed in the discontinuous gravel layer just above the bedrock surface. These wells provide a mean yield of 1.4 L/s (19 gpm), with yield values that range from 0.3 L/s to 2.2 L/s (4 to 30 gpm). The well depths range from 19.5 m to 26 m below ground surface.

iii) Surface Sands

An unconfined aquifer comprised of the surficial sand deposits is tapped by several shallow dug or bored wells and provides sufficient water quantities for commercial greenhouse operations in the area, as well as for domestic demands. The dug wells range in depth from 2.4 to 5.5 m below ground surface.

## 2.3 GROUND WATER USE

Based on the results of the mailed responses to the water well reconnaissance survey, together with field observations, there are approximately 280 wells contained in the areas selected for water quality sampling. Most of the wells are used for domestic purposes. A few wells are used for other purposes such as the abattoir, greenhouse operations, public school, and small commercial operations.





Approximately 60 wells, hereafter termed "dug wells", are dug or bored into the shallow unconfined aquifer (refer to Figure 2). Dug wells are generally not utilized in the more recent residential developments, such as Carey Street and Cumminsville Drive. The Edgewood Road subdivision is an exception and here the water supply is almost entirely obtained from dug wells. The older residential sections of Millgrove, in particular the residences located along Fifth Concession Road West from Highway #6 to Millgrove Side Road, typically obtain drinking water supplies from dug wells. In addition to the concentration of dug wells in older residential areas, shallow dug wells are also present, with lower frequency, throughout the Millgrove area.

The drilled wells which number about 220, are screened in one of the two confined aquifers mentioned previously, namely the bedrock or in the discontinuous 1 to 2 m thick gravel formation which overlies the bedrock. The majority of the owners of drilled wells were uncertain as to which aquifer their well was developed in. Also, the correlation between the general location of the well as provided on the MOE water well logs and the actual location of wells in the field can be misleading, such that it was regarded as prudent to group all of the drilled wells into a single category.

## 2.4 SEWAGE DISPOSAL

With few exceptions, the water table in the vicinity of Millgrove is located within the surficial sand deposits at greater than 2 m depth below grade. Generally the Millgrove residences dispose of septic effluent through tile fields located in the surficial sand deposit; the same sand deposit that supplies water for the dug wells. One residence was identified as using a privy for sewage disposal. The distance between a resident's septic system and their own well ranged from 3 m to more than 50 m. There appears to have been little control over the placement of septic systems in relation to water wells on neighbouring properties.

## 2.5 WATER ANALYSIS RESULTS

### 2.4.1 Selected Inorganic Chemistry Results

A total of 72 well water samples were collected and analyzed. The water samples were numbered consecutively from 1 to 74. Numbers 69 and 71 are replicate samples used to replace the unsuccessful laboratory analyses of the volatile organic compounds (VOC) water samples collected from wells 31 and 33. Consequently, the results of the water analyses contained in Table 1 do not





include values for wells 69 and 71. In the MOE chemical results tables, the remark "< T" indicates a measurable trace amount, "< W" indicates no measurable response, and "NSS" indicates no suitable sample.

The water samples were analyzed for: hardness, calcium, magnesium, potassium, sulphate, pH, total Kjeldahl nitrogen, total ammonium, total nitrates, nitrite, electrical conductivity, sodium, alkalinity, and chloride. As well, field measurements of pH and electrical conductivity were obtained for approximately one-half of the sampled wells. The results for each parameter are summarized below.

Hardness of water is principally caused by dissolved calcium and magnesium. Hard waters have a tendency to form scale deposits on heating and can also result in excessive soap consumption. The Ontario Drinking Water Objectives set hardness levels in excess of 500 mg/L as unacceptable for most domestic purposes, and levels greater than 200 mg/L are considered poor but have been tolerated by consumers. The mean hardness for the drilled wells is 280 mg/L, with a range for individual wells of 165 to 462 mg/L. The anomalously low hardness value of 2 mg/L for Well 1 is likely the result of the water passing through a conditioning unit prior to being sampled. The dug wells have a mean hardness of 432 mg/L, with individual water samples ranging from 281 to 566 mg/L. Water samples from dug wells 31, 38, 46, and 55 exceeded the Ontario Drinking Water Objective for hardness of 500 mg/L.

The mean Calcium concentrations for drilled wells was 68 mg/L, with a range of 32 to 139 mg/L. The dug wells had a mean calcium concentration of 132 mg/L, with a range of 76 to 187 mg/L.

Magnesium concentrations for the drilled wells ranged from 18 to 37 mg/L, with a mean concentration of 27 mg/L. Water samples from the dug wells had a mean magnesium concentration of 24 mg/L, with individual wells ranging from 12 to 39 mg/L.

Potassium in the drilled wells ranged from 0.8 to 2.4 mg/L, with a mean concentration of 4 mg/L. Water samples from the dug wells had a mean potassium concentration of 4.0 mg/L, with individual water samples ranging from 0.9 to 12.8 mg/L.

For Sulphate, the Ontario Drinking Water Objective is set at 500 mg/L as the maximum desirable concentration. At levels above this concentration, new users of the drinking water can experience a laxative effect. High levels of sulphate in drinking water result in a noticeable taste, and in some





types of water may also contribute to the presence of hydrogen sulphide (rotten egg odour). The drilled wells have a mean sulphate concentration of 79 mg/L, with a range of 15 to 221 mg/L. The dug wells have a mean sulphate concentration of 64 mg/L, with a range of 36 to 116 mg/L. None of the water samples had concentrations that exceeded the Ontario Drinking Water Objectives for sulphate.

The chemical parameter pH refers to the negative logarithm of the effective concentration of hydrogen ions expressed as moles per liter. When the pH is 7, the solution is neutral. When the pH is more than 7, the solution is basic, and if the pH is less than 7 the solution is acidic. According to the Ontario Drinking Water Objectives, the effects of corrosion and incrustation can be minimized by maintaining the pH within the desirable range of 6.5 to 8.5 pH units. The mean laboratory pH for the drilled wells was 8.06, with a range of about 7.7 to 8.3. The mean field pH for the drilled wells was 7.7, with a range of 7.0 to 8.3. The one anomalous field pH of 10.5 is likely a measurement error. The mean laboratory pH for the dug wells was 7.8, with results for individual wells that ranged from 7.4 to 8.1. The mean field pH for the dug wells was 7.5 with a range of 6.7 to 7.9 pH units.

Total Kjeldahl nitrogen, total ammonium, total nitrates, and nitrites are chemical parameters that measure the major aqueous nitrogen species. The Ontario Drinking Water Objectives set the maximum acceptable concentration of nitrates at 10 mg/L as nitrogen, and 1.0 mg/L for nitrites as nitrogen. These maximums are based on the relationship between infant methemoglobinemia and the presence of nitrates and nitrite in drinking water. In the water samples collected from the drilled wells, the nitrate concentrations were generally below the reliable detection limit of the analytic method, that is 0.2 mg/L. The only drilled well to show a significantly elevated level of nitrate was Well 59, where the concentration of 23.1 mg/L exceeded the maximum acceptable concentration of 10 mg/L. In contrast, the dug wells had a mean nitrate concentration of 9.6 mg/L with values for individual wells that ranged from 0.5 to 21.9 mg/L. The Ontario Drinking Water Objectives for nitrates was exceeded in water samples taken from dug wells 9, 31, 46, 48, 55, 57 and 70.

Nitrite levels in both the dug and drilled wells were below the Ontario Drinking Water Objectives set at 1.0 mg/L. Generally the nitrite levels were at the trace to no measurable response levels.

To obtain a value for organic nitrogen from a water sample analysis the value for the ammonium concentration is subtracted from the value for the total Kjeldahl nitrogen. The Ontario Drinking Water Objective maximum desirable concentration of 0.15 mg/L for organic nitrogen is designed to avoid taste and odour problems. The concentrations of ammonium and total Kjeldahl nitrogen for





the majority of drilled wells were near the lower detectable limits; in the trace to no measurable response range. Values near the threshold of detection require a cautious interpretation. Concentrations of organic nitrogen that exceeded the 0.15 mg/L Ontario Drinking Water Objectives were detected in water samples taken from drilled Wells 2, 3, 4, 10, 56, 62, and 68. Organic nitrogen levels in wells 10 and 68 are to be interpreted with particular care because of the low values of both ammonium and total Kjeldahl nitrogen. With respect to the dug wells, the maximum desirable concentration of 0.15 mg/L for organic nitrogen was exceeded in water samples from Wells 8, 9, 46, 57, 70, and 72. It is noted that all of the dug wells have trace to no measurable concentrations for at least one of the parameters of ammonium or total Kjeldahl nitrogen. Well 46 appears to have the most elevated concentration of organic nitrogen for water samples collected from the dug wells.

Electrical conductivity is an overall measure of the total dissolved solids concentration in a water sample. In the water samples collected from the drilled wells, the electrical conductivity as measured in the laboratory, ranged between 377 to 998 uS/cm and averaged 579 uS/cm. The average conductivity for the dug well water samples was more than double that of the drilled wells at 1328 uS/cm, with a range from 680 to 2910 uS/cm.

The Ontario Drinking Water Objectives state that persons suffering from hypertension or congestive heart failure may require a Sodium restricted diet. Therefore, the Ministry recommends that the Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L. Water samples collected from the deep wells had an average sodium concentration of 15.5 mg/L, with values ranging from 5.4 to 49.8 mg/L. An anomalous value of 154 mg/L for Well 1 might be the result of an undetected water conditioning treatment system along the water line leading to the sample collection point. Six drilled wells, at locations 1, 3, 4, 27, 39, and 42, had sodium concentrations greater than 20 mg/L. The mean concentration in the dug wells was 108 mg/L with a range from 6 to 384 mg/L. Except for well 57, all the dug well sodium concentrations equalled or exceeded 20 mg/L.

Alkalinity is the capacity of water to neutralize acid. In natural waters alkalinity consists almost entirely of carbonate and bicarbonate ions, and is expressed as the equivalent concentration of calcium carbonate. The Ontario Drinking Water Objectives recommend a lower limit of 30 mg/L and an upper limit of 500 mg/L to avoid the corrosive or incrusting effects of extreme alkalinity values, and the gastrointestinal discomfort associated with high alkalinity levels. The drilled wells had a mean alkalinity concentration of 211 mg/L, with values ranging from 175 to 306 mg/L. The dug wells





had a mean alkalinity concentration of 303 mg/L, and the values for the individual dug wells ranged from 205 to 420 mg/L. All of the values obtained from the water samples are within the limits of the Ontario Drinking Water Objectives for alkalinity.

In the Ontario Drinking Water Objectives, the maximum desirable concentration for Chloride is set at 250 mg/L because of the undesirable taste that may be imparted to water by elevated chloride levels. The drilled wells had a mean chloride level of 16 mg/L, with individual well concentrations that ranged from 3 to 94 mg/L. The dug wells had a mean chloride concentration of 191 mg/L, with concentrations that ranged from 20 to 738 mg/L. Chloride concentrations in dug Wells 8, 38, 48, and 55 exceeded the 250 mg/L maximum desirable concentration.

#### 2.4.2 Volatile Organic Carbon Results

All organic compounds contain carbon, and together, they comprise a large, complex, and diverse group of chemical substances, some of which are naturally occurring, and many of which are artificially produced. Organic compounds can be in the form of solids, liquids, and gases. If the organic compound is readily and easily volatilized (evaporated), then it is termed volatile.

A volatile organic carbon (VOC) scan for 29 "common" compounds, which are regarded as contaminants was performed on 32 water samples. On the initial sampling run, 3 water samples (31, 33, and 43) were destroyed during the analytical procedure. It was possible to obtain replicate samples (69 and 71) for two of the destroyed samples, but a replicate was not obtained for sample 43.

Of the 31 sets of analytical results, 5 were for dug wells. The presence of specific volatile organic species was detected in 9 of the 31 sample results. Altogether, 11 different volatile chemicals were identified in variable associations and concentrations in the following well water samples: 32, 35, 46, 48, 52, 56, 59, 63, and 74. The volatile organics detected consisted of: 1,1 dichloroethane; chloroform; 1,2 dichloroethane; benzene; 1,2 dichloropropane; toluene; total trihalomethanes; ethyl benzene; m-xylene; o-xylene; and 1,4 dichlorobenzene. A cautious interpretation of the values is required for samples from Wells 35, 46, 52, 56, and 63 since the level of VOC detection was at trace concentration. At least one of the VOC concentrations for each of well water samples 32, 48, 59, and 74 registered above the threshold limit of detection.





#### 2.4.3 Bacteriological Results

Seventy-one water samples were submitted for bacteriological analysis to the Ministry of Health laboratory in Hamilton. Four samples were not analyzed either because of noticeable turbidity or because the time between collecting the sample and the receipt of the sample at the lab exceeded the 48 hour time limit mandated by the test protocols. Of the 67 samples analyzed, 51 were for water samples from drilled wells, and 16 test results were from water samples collected from dug wells.

The results from the bacteriological analyses provide counts for total coliform MF and fecal coliform MF. The Ministry of Health laboratory in Hamilton did not analyze for total coliform MFBKGD or fecal streptococcus. A positive total coliform count indicates the presence of non-pathogenic bacteria, and would suggest that the well is contaminated by ground-surface bacteria. It is noted, however, that the detection of non-pathogenic bacteria in a drinking water supply may also indicate that undetected pathogens could be present. A positive fecal coliform count indicates the presence of enteric disease-causing bacteria and often indicates contamination from human waste sources such as septic systems.

All of the drilled well water samples had a fecal coliform count of zero. Total coliform counts ranging from 1 to 4 were detected in drilled Wells 24, 47, and 66. Eleven of the 17 dug wells had positive total coliform counts ranging from 2 to more than 80. Dug well water samples with positive fecal coliform counts ranging from 1 to more than 60, were collected from Wells: 8, 9, 34, 40, 44, 46, and 70.

#### 2.4.4 Selected Septic Contamination Parameters

In a draft submission to the journal *Groundwater*, Robertson et al. state that domestic septic systems in sands typically produce groundwater plumes which can be characterized by elevated levels of dissolved organic carbon, electrical conductivity, nitrate, chloride, sodium, potassium, and alkalinity, and depressed levels of pH and dissolved oxygen. Nitrate and chloride are considered to be mobile in the plume, sodium is slightly less mobile, and potassium is moderately less mobile. Five of these chemical parameters, together with total coliform and fecal coliform counts have been assembled in Table 4 and graphically plotted in Figures 6 to 18 in the Appendix.





For each pair of graphed parameters in Figures 6 to 16, the dug well graph has a rectangular section that shows the range of the concentrations present on the corresponding drilled well graph. In the water samples taken from the drilled wells there is a slight correlation between those wells with the highest electrical conductivity and the drilled wells highest in sodium and chloride, specifically Wells 27, 39, and 59. Water samples from drilled wells with non-zero total coliform counts do not have high values for any of the selected inorganic parameters compared to samples from the other drilled wells. Well 1 appears to have a high sodium level possibly because the water sampled passed through a water conditioning device prior to collection. Chlorination of drilled Well 4 might account for the elevated chloride levels.

The dug well water samples show a correlation between the relatively high values of Wells 9 and 31 on electrical conductivity, nitrate levels greater than 10 mg/L, a non-zero total coliform count, and the sodium and chloride concentrations. Water samples from dug Wells 8, 38, and 44 had relatively high values on electrical conductivity, non-zero total coliform counts, and sodium and chloride. The Well 46 water sample had a relatively high value on electrical conductivity, nitrate over 10 mg/L, sodium and chloride. High values on nitrates over 10 mg/L, sodium and chloride were obtained for the water sample analysis obtained for dug Well 55. Samples from dug Wells 40 and 43 had high values on nitrate concentrations that are elevated but are less than 10 mg/L, total coliform count, and in the case of Well 43 sodium and chloride. Water samples from dug Well 70 had high values for total coliform count and nitrate levels greater than 10 mg /L.

Two of the dug wells that had high values for the selected septic contamination parameters also had detectable results on the VOC scan. Results from water samples collected at dug Well 46 showed trace concentrations of: 1,1 dichloroethane; chloroform; and 1,2 dichloroethane. The dug Well 48 water sample contained a 0.2 ppm concentration of dichlorobenzene. Water samples from drilled Well 59 represented the only well that had high values for the drilled-well selected septic contamination parameters and also had a detectable result from the VOC scan (11.2 ug/L of 1,2 dichloropropane).





### 3.0 DISCUSSION

The selection of a sample population of wells to accurately represent the ground water quality conditions in the vicinity of Millgrove was optimized by using a combination of sample selection methods. Employing several methods has the advantage of balancing the errors, which are inherent in each selection method, against one another, and thereby reducing the overall selection bias. One bias that was common to most of the methods was the selection of wells with a demonstrated history of contamination or close proximity between the septic system and the well.

Part of the sample selection method involved the division of the sampled wells into the two basic groups of dug and drilled wells. The dug well category includes wells developed in the unconfined aquifer. The drilled well category includes both the wells screened in the discontinuous gravel aquifer that overlies the dolomitic bedrock, and the wells developed in the upper few metres of the Eramosa Member of the Lockport Formation. A non-parametric statistics test was performed on the electrical conductivity values from these two categories. The Willcoxon Two-Sample Test indicated the probability is  $< 0.001$  that, the electrical conductivity values for the two well categories are from a population having the same distribution.

The Drinking Water Objectives which have been established by the MOE for certain contaminants are grouped into two categories. Health objectives are set for those chemical parameters that are known, or suspected, to cause adverse effects on human health. Aesthetic objectives apply to certain parameters or characteristics of drinking water which can either affect its acceptance by consumers, or which interfere with good water supply practices. In general, the public at large often assume that an unpalatable taste or smell to the drinking water implies that the water is unhealthy or "bad". Visible signs or odours to drinking water generally relate to esthetic affects. Water can be unsafe to drink, or potentially harmful to health, yet have no identifiable signs or odours, and vice versa. Therefore, there is a clear need to perform bacteriological and chemical, analysis to detect the presence of contaminants in drinking water.

Before discussing the aesthetic parameters measured by the ground water analyses, the health parameters will be discussed, specifically: sodium, nitrite, nitrate, fluoride, fecal coliform and total coliform, benzene, chloroform, and trihalomethanes.





Sodium:

The Medical Officer of Health should be notified that some of the drilled wells in the vicinity of Millgrove, particularly the southeastern section of the core study area have sodium levels in excess of the 20 mg/L guideline. Residents that use Well 1 might consider installing a separate line to provide water that has not passed through a water conditioner, particularly if any of the occupants suffer from congestive heart failure or hypertension. The sodium and chloride levels at dug Well 52 are elevated, and might be the result of road salt applied to the residential driveway located about three metres from the wellhead. The Medical Officer of Health should also be notified that over 90% of the dug wells that were sampled had levels of sodium equal to, or greater than, 20 mg/L of sodium.

Nitrites:

Generally nitrite levels were at the trace or no measurable response level in water samples from both drilled and dug wells alike. The low nitrite levels might become somewhat more significant if added to a nitrate reading that is just below the maximum acceptable concentration for nitrates, since the concentration for the total of nitrate plus nitrite should not exceed 10 mg/L as nitrogen.

Nitrates:

High nitrate concentrations in a ground water system can be the result of several possibilities such as the discharge of contaminated surface water into the water wells, infiltration of contaminated surface water, or subsurface migration of contaminated water. The contaminated water may be a result of excessive fertilization, both agricultural or domestic, animal waste from barnyards, or human wastes from septic systems. The maximum acceptable concentration of nitrates in drinking water is 10 mg/L as nitrogen. The users of drinking water supplied by dug Wells 9, 31, 46, 48, 55, 57 and 70 should be informed that the nitrate concentration in their well exceeds 10 mg/L as nitrogen, which might cause methemoglobinemia in infants that subsist on this drinking water. Dug Well 57 is located in a commercial greenhouse in the Edgewood Road area and reportedly is used strictly for agricultural purposes. The elevated nitrate levels in this well may be due to occasional spillage from the fertilizer mixing tank which is located within 2 metres distance and upslope from the unsealed well head that is constructed flush with the sloping surface of the cement floor. The other dug well (Well 52) sampled in the vicinity of the closed Edgewood landfill also has an elevated nitrate level, but it is only one-half the magnitude of that present in Well 57, and the level is below





the maximum acceptable concentration for nitrates. It is unlikely that the elevated concentrations of some parameters present in the shallow dug wells sampled in the Edgewood Road subdivision (the dug wells appear to range from 2.5 to 5.0 m in depth) is associated with the closed Edgewood landfill. There is a perennial stream and associated marshland present between the development and the landfill. The wetland likely acts as a local discharge area for shallow ground water, which would hydraulically separate the development from the landfill.

The only water sample analysis from a drilled well that indicated levels of nitrate above the 10 mg/L objective was in the Edgewood landfill sampling area. A well survey indicated there is one, or perhaps two, drilled wells in the Edgewood Road subdivision. The drilled well (Well 59) selected for sampling is located a few hundred metres down the hydraulic gradient from the closed Edgewood landfill. A comparison with the 1988 MOE water analysis of the drinking water for this residence, (refer to Appendix) shows a rise in the 1990 concentrations for all the chemical parameters except sulphate. The nitrate level shows a near doubling to 23.1 mg/L. The increased total dissolved solids concentration may indicate that water is being drawn from deeper within the bedrock system, or it may be indicative of progressive contamination. More frequent monitoring of the drilled well(s) in the Edgewood Road subdivision is required to better define any trends in ground water quality. The owner of drilled Well 59 should again be informed that the nitrate level in their water sample exceeded the maximum acceptable objective of 10 mg/L as set out in the Ontario Drinking Water Objectives.

#### Fluoride:

Fluoride was not included in the chemical analyses as part of this program. However, during the course of the study, it was reported to us that there has been a case of fluorosis occurring in an elementary school-aged child whose house is supplied by water obtained from a dug well in the Edgewood road area. The Ontario Drinking Water Objectives set the optimal concentration of fluoride in drinking water as 1.2 mg/L, and deviation from this optimum should not exceed plus or minus 0.2 mg/L. Subsequent water quality analyses in this area should therefore include fluoride as an analytical parameter.

#### Coliform Bacteria:

Analysis for total coliform and fecal coliform are used to indicate the presence of pathogenic bacteria. Geometric mean densities of total coliform and fecal coliform greater than 10 counts and





0 counts per 100 ml respectively, indicate unsafe drinking water according to the Ontario Public Health Laboratories. It is noted that undetectable concentrations of total coliform and fecal coliform do not necessarily indicate the absence of septic waste contamination. During water borne migration, bacteria may be filtered out of ground water by sand. Also, it is common practice by many rural homeowners to periodically disinfect water supply wells with a chlorine solution, which effectively removes indications of bacteria.

Results that did not exceed the safe counts for fecal and total coliform were obtained in 100% of the water samples collected from the drilled wells. The three drilled wells that had a positive coliform count registered between 1 and 4 counts, which is well below the unsafe concentration of greater than 10 total coliform counts. Some incidental bacteriological contamination of well water samples can occur during sample collection because of the presence of airborne coliform and other sources. The low coliform counts which did register in the drilled wells might be the result of such extraneous sources of contamination. Additional bacteriological analyses of water samples from these wells are needed to confirm the presence of contaminated ground water. In the water samples collected from the dug wells, more than 40% registered positive fecal counts and more than 60% registered a total coliform count greater than 10. These results indicate significant impacts from bacterial contamination.

#### Volatile Organic Carbon Species:

Current health objectives set maximum acceptable concentrations for three of the volatile organic carbon species detected during the survey: benzene, chloroform, and total trihalomethanes. Chloroform is one of several trihalomethanes that can be the byproduct of water chlorination. Drilled Well 74 had concentrations of 5.2 ug/L for both the chloroform and the total trihalomethane concentration, and it is likely that the identical concentration values are double indicators of the presence of chloroform. The trace concentrations of chloroform detected in dug Well 46 and drilled Wells 56 and 63 are less than 1% of the maximum acceptable concentration for total trihalomethanes. It is noted that trace concentrations should be interpreted with caution.

The trace concentration of benzene which was detected in dug Well 52 is less than 5% of the maximum acceptable concentration (see Table 5 in the Appendix), and may be related to seepage from oil that has been used on the residential driveway located within 3m of the wellhead.





### Aesthetic Parameters:

Analyses of the ground water samples involved comparison of the results with the aesthetic objectives set for: pH, alkalinity, electrical conductivity, hardness, chloride, sulphates, organic nitrogen, ethyl benzene, toluene, and xylene.

#### pH:

On average the field pH measurements tend to be about 0.3 pH units lower than the laboratory pH readings. All of the mean values of the pH readings sampled in both the lab and field, on water samples from dug or drilled wells, were greater than 7.0. Therefore, the water from the aquifers in the Millgrove area is described as slightly alkaline. However, all of the alkalinity concentrations were within the limits of the Ontario Drinking Water Objectives for alkalinity.

#### Electrical Conductivity:

Mean values for electrical conductivity were more than twice as large for the dug well samples compared to the drilled well samples. Generally, the higher the electrical conductivity value, the greater the concentration of the total dissolved solids in the water.

#### Hardness:

The hardness concentrations in the Millgrove area are generally in the "poor" category of 200 to 500 mg/L with 4 dug wells exceeding the maximum acceptable concentration of 500 mg/L. The hardness concentration values for the dug wells were more than 50% larger than values for the drilled wells.

#### Chloride:

Mean chloride concentrations were typically more than 12 times greater in water samples from the dug wells compared to the samples obtained from the drilled wells. Although chloride is an aesthetic parameter, it is considered to move at the same rate as the ground water flow and can be an indicator of contamination from various sources such as road salt, septic systems, and landfill sites. The Ontario Drinking Water Objective of 250 mg/L set for chloride was exceeded in dug Wells 8, 38, 48 and 55. Dug Well 55 was also high in electrical conductivity, and exceeded the maximum acceptable concentrations for sodium and for hardness. Located near Millgrove Packers, dug Well





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55 was the only well sampled near the abattoir that had significant evidence of degraded water quality. The neighbouring wells which were sampled, and the two wells located on the property of the meat packing operation, are all drilled wells and did not show elevated chloride values. The well head for dug Well 55 is located at the top of a hill and appears to be properly maintained. A slight topographic dip between the property belonging to Millgrove Packers and the residential property supplied by dug Well 55 appears to drain the surface water run-off from the Millgrove Packer property.

Elevated levels of sodium and calcium relative to the chloride concentration in the water sample taken from Well 55 may indicate the leaching of road salt into the unconfined aquifer. Although the Fifth Concession Road West is located approximately 10 meters from the well, it is located down the regional hydraulic gradient from Well 55 while the Millgrove Packer's property is located up the hydraulic gradient from dug Well 55. The elevation of the base of the well might be below the invert elevation of the roadside drainage ditch. There is no evidence that the quality of the ground water obtained from the drilled wells sampled in the vicinity of Millgrove Packers is impacted by the meat packing operation.

#### Sulphate:

Sulphate was the only chemical parameter with a significantly higher mean concentration in the water samples obtained from the drilled wells than in the dug well water samples. This is, however consistent with reports of gypsum nodule dissolution in the upper few meters of the Eramosa Member of the bedrock aquifer. The mineral gypsum is composed of hydrated calcium and sulphate. Sphalerite, galena, and pyrite, all of which contain sulfide, also reportedly occur in the top 2 to 3 m of the Eramosa formation. The presence of sulfides and, in reducing conditions the presence of sulphate, is consistent with the sulphurous odour to the drinking water of which several residents in the Carey Street area, and to a lesser extent other areas, complain. There is no evidence of septic contamination of the ground water from the drilled wells in the vicinity of Carey Street.

#### Organic Nitrogen:

The concentration of organic nitrogen is calculated by subtracting the total ammonium concentration from the total Kjeldahl nitrogen. Many water samples from the dug wells appeared to have elevated levels of organic nitrogen, but the near threshold values of the total ammonium and





total Kjeldahl nitrogen concentrations were near the detection limits and therefore cautions interpretation is required. Drilled Wells 2, 3, 4, 56, and 62 appear to have elevated organic nitrogen levels.

#### Volatile Organic Carbon:

Aesthetic objectives have been set for ethyl benzene, toluene, and xylene, all of which were detected in low concentrations during the VOC analyses. The xylene concentration was less than 1% of the aesthetic objective for xylene. The trace concentration of ethyl benzene in Well 32 was less than 15% of the aesthetic objective for ethyl benzene. These trace levels should be interpreted with caution. The toluene concentration in drilled well 32 is less than 3% of the aesthetic objective for toluene. According to the Golder Phase II Report prepared for Steetley Quarries, toluene is a naturally occurring compound in bedrock formations bearing traces of petroleum or natural gas ...and has previously been reported at other bedrock sites in the Hamilton-Niagara area. It is also possible that the source factors shown on the bottom row of table 5 could partially or wholly account for the positive VOC readings.





#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this study as documented in this report, we conclude the following:

- In the vicinity of Millgrove, the surficial deposits consist of 16 to 29 m of waterlain sands and silt deposited as deltaic sheets within glacial lakes Whittlesey and Warren. Dolostone bedrock of the Lockport Formation underlies the surficial deposits.
- There are essentially three sources of ground water, or aquifers, which are currently exploited by the residents in the vicinity of Millgrove. These aquifers are: (a) a near surface unconfined sand aquifer, (b) a confined discontinuous gravel aquifer overlying the bedrock, and (c) a lower confined aquifer within the upper fractured portions of the dolomite bedrock. Although most wells are reportedly developed in the bedrock or the gravel zone overlying the rock, there are several shallow dug or bored wells developed in the unconfined sand aquifer, particularly in the older residential sections of Millgrove.
- Private sewage disposal systems are constructed in the near surface sand/silt formation.
- Chemical indicators, inorganic parameters, and bacteriological concentrations suggest ground water contamination in the near surface unconfined aquifer.
- Nitrate concentrations in those sampled water wells which are developed in the near-surface unconfined aquifer generally appear to be elevated above normal background values, possibly as a result of non-point source contamination such as past agricultural practices, or from individual tile field systems.
- Elevated concentrations of several chemical and bacteriological parameters suggest septic system effluent contamination of most of the shallow wells developed in the unconfined sand aquifer.
- With the exception of one well located in the Edgewood Road subdivision, wells developed in the confined aquifers show substantially lower levels of electrical conductivity, nitrate, chloride, sodium, potassium, alkalinity, and bacteria, and higher pH levels, when compared to the shallow wells. The mean sulphate concentration of wells in the confined aquifers is





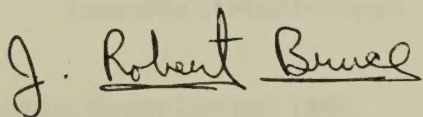
higher than the value for wells in the unconfined aquifer as would be anticipated in this setting. Generally the nitrate, nitrite, and bacterial levels in the confined aquifers are acceptable.

We therefore submit the following recommendations for your consideration.

1. Remedial measures should be implemented to rectify the generally unsafe drinking water supplies and ground water contamination by the septic systems for those wells developed in the unconfined aquifer. In this regard, a public education program to educate residents who obtain their water supply from the unconfined aquifers would be helpful.
2. The Ministry of Health, and the Ministry of the Environment should notify, and provide advice in regard to mitigative measures to those residents whose wells show evidence of contamination by septic systems and those with generally poor water chemistry.
3. Owners of wells with water supplies that are unpotable because of chemical parameters be advised to install appropriate surface treatment systems or install drilled wells, and owners of wells with unpotable water because of elevated bacteriological counts be advised in bacteriological monitoring and the importance of chlorination.
4. A copy of the final report be forwarded to the Millgrove Public Library so that the report is made available for review by the Public. For that copy of the report the "Owner Address" list and the "Sampling Location Description" columns in the VOC and chemical parameter result tables should be removed to honour the confidentiality of the well owners.

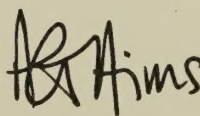
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## **APPENDIX**

- WELL OWNER ADDRESSES, TABLE 1
- SELECTED CHEMICAL PARAMETER RESULTS, TABLES 2 AND 3
- SELECTED VOC RESULTS, TABLE 4
- SELECTED SEPTIC CONTAMINATION PARAMETER RESULTS, TABLE 5
- SITE LOCATION AND SITE PLAN, FIGURES 1 AND 2
- MOE WATER WELL LOCATIONS, FIGURE 3
- CROSS-SECTIONS A-A' AND B-B', FIGURES 4 AND 5
- GRAPHS OF SEPTIC CONTAMINATION PARAMETERS, FIGURES 6 TO 17
- MOE CHEMICAL RESULTS, TABLE 6 AND 7
- WATER WELL RECONNAISSANCE FORM, TABLE 8
- VOC RESULTS, TABLE 9
- MOE WATER WELL RECORDS, TABLE 10





TABLE 2

MILLGROVE GROUND WATER

QUALITY STUDY

Statistical Analysis of Selected Chemical Parameters

| WELL<br>NUMBER | HARDNESS |     | CALCIUM |       | MAGNESIUM |      | SULPHATE |        |
|----------------|----------|-----|---------|-------|-----------|------|----------|--------|
|                | DRILLED  | DUG | DRILLED | DUG   | DRILLED   | DUG  | DRILLED  | DUG    |
|                | 2        |     | 0.6     |       | 0.1       |      | 118.75   |        |
|                | 223      |     | 46.6    |       | 26.0      |      | 58.81    |        |
|                | 293      |     | 69.2    |       | 29.3      |      | 86.38    |        |
|                | 462      |     | 126.0   |       | 35.6      |      | 92.08    |        |
|                |          | 476 |         | 152.0 |           | 23.3 |          | 42.30  |
|                | 271      |     | 66.4    |       | 25.6      |      | 84.11    |        |
|                | 258      |     | 61.8    |       | 25.2      |      | 61.50    |        |
|                |          | 385 |         | 128.0 |           | 16.2 |          | 86.27  |
|                |          | 438 |         | 135.0 |           | 24.4 |          | 37.80  |
|                | 236      |     | 52.6    |       | 25.5      |      | 36.27    |        |
|                | 256      |     | 54.2    |       | 29.4      |      | 18.07    |        |
|                | 266      |     | 63.4    |       | 26.1      |      | 49.09    |        |
|                | 281      |     | 69.6    |       | 25.9      |      | 56.08    |        |
|                | 291      |     | 74.2    |       | 25.6      |      | 63.02    |        |
|                | 315      |     | 73.4    |       | 32.0      |      | 139.48   |        |
|                | 315      |     | 77.8    |       | 29.2      |      | 94.90    |        |
|                | 322      |     | 80.8    |       | 29.2      |      | 130.32   |        |
|                | 276      |     | 64.8    |       | 27.6      |      | 84.74    |        |
|                | 331      |     | 85.2    |       | 28.7      |      | 140.61   |        |
|                | 243      |     | 50.4    |       | 28.5      |      | 25.33    |        |
|                | 370      |     | 92.2    |       | 34.0      |      | 126.70   |        |
|                | 250      |     | 57.2    |       | 25.9      |      | 38.80    |        |
|                |          | 379 |         | 113.0 |           | 23.7 |          | 69.42  |
|                | 245      |     | 52.2    |       | 27.8      |      | 20.79    |        |
|                | 252      |     | 59.6    |       | 25.2      |      | 40.95    |        |
|                | 318      |     | 76.6    |       | 30.7      |      | 121.77   |        |
|                | 367      |     | 87.6    |       | 36.0      |      | 183.17   |        |
|                | 297      |     | 70.0    |       | 29.8      |      | 104.60   |        |
|                | 251      |     | 49.6    |       | 30.9      |      | 28.05    |        |
|                | 238      |     | 52.4    |       | 26.1      |      | 26.52    |        |
|                |          | 531 |         | 162.0 |           | 30.9 |          | 115.70 |
|                | 316      |     | 84.0    |       | 25.9      |      | 129.78   |        |
|                | 223      |     | 47.0    |       | 25.5      |      | 43.30    |        |
|                |          | 309 |         | 76.4  |           | 28.6 |          | 106.20 |
|                | 266      |     | 60.2    |       | 28.1      |      | 37.86    |        |
|                | 304      |     | 75.2    |       | 28.2      |      | 102.41   |        |
|                | 301      |     | 75.2    |       | 27.5      |      | 108.64   |        |
|                |          | 548 |         | 159.0 |           | 36.5 |          | 39.08  |
|                | 343      |     | 90.4    |       | 28.4      |      | 191.00   |        |
|                |          | 375 |         | 119.0 |           | 19.2 |          | 66.36  |
|                | 330      |     | 81.4    |       | 30.8      |      | 129.54   |        |
|                | 413      |     | 105.0   |       | 36.6      |      | 220.81   |        |
|                |          | 281 |         | 91.8  |           | 12.4 |          | 37.19  |
|                |          | 485 |         | 147.0 |           | 29.0 |          | 66.92  |
|                | 341      |     | 88.6    |       | 29.1      |      | 136.92   |        |
|                |          | 566 |         | 162.0 |           | 39.4 |          | 82.53  |





| WELL<br>NUMBER        | HARDNESS |      | CALCIUM |        | MAGNESIUM |       | SULPHATE |         |
|-----------------------|----------|------|---------|--------|-----------|-------|----------|---------|
|                       | DRILLED  | DUG  | DRILLED | DUG    | DRILLED   | DUG   | DRILLED  | DUG     |
|                       | 304      |      | 74.2    |        | 28.9      |       | 103.16   |         |
|                       |          | 491  |         | 152.0  |           | 27.1  |          | 62.26   |
|                       | 194      |      | 40.0    |        | 22.8      |       | 18.53    |         |
|                       | 223      |      | 52.8    |        | 22.2      |       | 33.94    |         |
|                       | 204      |      | 45.8    |        | 21.7      |       | 26.21    |         |
|                       |          | 298  |         | 98.8   |           | 12.6  |          | 47.57   |
|                       | 197      |      | 41.4    |        | 22.8      |       | 23.62    |         |
|                       | 190      |      | 45.6    |        | 18.4      |       | 26.53    |         |
|                       |          | 564  |         | 187.0  |           | 23.5  |          | 46.98   |
|                       | 303      |      | 73.0    |        | 29.3      |       | 31.12    |         |
|                       |          | 406  |         | 137.0  |           | 15.5  |          | 67.85   |
|                       | 298      |      | 77.6    |        | 25.3      |       | 102.31   |         |
|                       | 435      |      | 139.0   |        | 21.1      |       | 64.48    |         |
|                       | 252      |      | 62.6    |        | 23.3      |       | 65.15    |         |
|                       | 254      |      | 65.6    |        | 22.0      |       | 37.85    |         |
|                       | 165      |      | 32.0    |        | 20.7      |       | 14.52    |         |
|                       | 349      |      | 85.4    |        | 32.9      |       | 139.59   |         |
|                       | 242      |      | 52.2    |        | 27.1      |       | 31.69    |         |
|                       | 253      |      | 55.6    |        | 27.8      |       | 34.17    |         |
|                       | 346      |      | 90.2    |        | 29.2      |       | 147.17   |         |
|                       | 256      |      | 63.4    |        | 23.8      |       | 40.55    |         |
|                       | 248      |      | 61.2    |        | 23.0      |       | 35.46    |         |
|                       |          | 452  |         | 137.0  |           | 26.4  |          | 70.95   |
|                       |          | 355  |         | 104.0  |           | 23.0  |          | 36.47   |
|                       | 386      |      | 100.0   |        | 33.0      |       | 182.20   |         |
|                       | 257      |      | 55.2    |        | 29.0      |       | 30.57    |         |
| =====                 |          |      |         |        |           |       |          |         |
| TOTAL                 | 15422    | 7339 | 3734.2  | 2261.0 | 1480.3    | 411.7 | 4319.97  | 1081.85 |
| COUNT                 | 57       | 18   | 57      | 18     | 57        | 18    | 57       | 18      |
| AVERAGE               | 271      | 408  | 65.5    | 125.6  | 26.0      | 22.9  | 75.79    | 60.10   |
| MAXIMUM               | 462      | 566  | 139.0   | 187.0  | 36.6      | 39.4  | 220.81   | 115.70  |
| MINIMUM               | 0        | 0    | 0.0     | 0.0    | 0.0       | 0.0   | 0.00     | 0.00    |
| VARIANCE              | 7542     | 52   | 628.0   | 1692.6 | 51.6      | 82.1  | 2820.34  | 724.44  |
| STANDARD<br>DEVIATION | 87       | 7    | 25.1    | 41.1   | 7.2       | 9.1   | 53.11    | 26.92   |





TABLE 3

MILLGROVE GROUND WATER

QUALITY STUDY

Statistical Analysis of Selected Chemical Parameters

| WELL<br>NUMBER | POTASSIUM |      | LABORATORY pH |      | FIELD pH |      | FIELD CONDUCTIVITY |      |
|----------------|-----------|------|---------------|------|----------|------|--------------------|------|
|                | DRILLED   | DUG  | DRILLED       | DUG  | DRILLED  | DUG  | DRILLED            | DUG  |
|                | 0.40      |      | 8.01          |      |          |      |                    |      |
|                | 2.05      |      | 8.09          |      |          |      |                    |      |
|                | 3.15      |      | 7.94          |      | 7.20     |      |                    |      |
|                | 1.40      |      | 7.74          |      | 7.00     |      |                    |      |
|                |           | 1.30 |               | 7.41 |          | 6.70 |                    |      |
|                | 2.40      |      | 8.00          |      | 7.30     |      | 1870               |      |
|                | 2.90      |      | 7.94          |      | 7.20     |      | 1750               |      |
|                |           | 0.85 |               | 7.78 |          |      |                    |      |
|                |           | 4.95 |               | 7.80 |          | 7.00 |                    |      |
|                | 1.50      |      | 7.99          |      | 7.20     |      | 1610               |      |
|                | 2.15      |      | 7.94          |      | 7.30     |      | 1720               |      |
|                | 1.75      |      | 7.94          |      | 7.20     |      | 1890               |      |
|                | 1.85      |      | 7.92          |      | 7.20     |      | 1930               |      |
|                | 1.60      |      | 8.06          |      | 7.20     |      |                    |      |
|                | 3.80      |      | 7.99          |      | 7.30     |      |                    |      |
|                | 1.35      |      | 8.07          |      | 7.30     |      |                    |      |
|                | 2.55      |      | 8.02          |      | 7.40     |      |                    |      |
|                | 1.90      |      | 8.07          |      | 7.50     |      |                    |      |
|                | 3.35      |      | 8.02          |      | 10.50    |      |                    |      |
|                | 2.00      |      | 8.08          |      |          |      |                    |      |
|                | 4.40      |      | 7.89          |      |          |      |                    |      |
|                | 1.75      |      | 8.08          |      |          |      |                    |      |
|                |           | 1.60 |               | 7.88 |          |      |                    |      |
|                | 1.75      |      | 8.14          |      |          |      |                    |      |
|                | 1.85      |      | 8.05          |      |          |      |                    |      |
|                | 2.30      |      | 8.11          |      |          |      |                    |      |
|                | 3.10      |      | 8.01          |      |          |      |                    |      |
|                | 2.20      |      | 8.20          |      |          |      |                    |      |
|                | 2.40      |      | 8.06          |      |          |      |                    |      |
|                | 1.60      |      | 8.05          |      |          |      |                    |      |
|                |           | 6.15 |               | 7.72 |          | 7.60 |                    | 1360 |
|                | 3.65      |      | 7.94          |      | 7.90     |      | 630                |      |
|                | 1.90      |      | 8.13          |      | 7.80     |      | 440                |      |
|                |           | 2.95 |               | 8.05 |          | 7.80 |                    | 660  |
|                | 2.05      |      | 8.08          |      | 8.10     |      | 490                |      |
|                | 2.20      |      | 8.07          |      | 7.90     |      | 610                |      |
|                | 2.90      |      | 8.02          |      | 8.00     |      | 610                |      |
|                |           | 1.25 |               | 7.78 |          | 7.50 |                    | 1990 |
|                | 4.85      |      | 7.96          |      | 7.80     |      |                    |      |
|                |           | 0.85 |               | 7.83 |          | 7.70 |                    | 750  |
|                | 3.20      |      | 8.00          |      | 7.90     |      | 660                |      |
|                | 3.75      |      | 8.02          |      | 7.80     |      | 800                |      |
|                |           | 1.40 |               | 7.98 |          | 7.90 |                    | 1320 |
|                |           | 3.15 |               | 7.79 |          | 7.70 |                    | 1360 |
|                | 2.95      |      | 8.01          |      |          |      |                    |      |
|                |           | 6.25 |               | 7.55 |          | 7.50 |                    | 1160 |





| WELL<br>NUMBER | POTASSIUM |          | LABORATORY pH |          | FIELD pH |          | FIELD CONDUCTIVITY |          |
|----------------|-----------|----------|---------------|----------|----------|----------|--------------------|----------|
|                | DRILLED   | DUG      | DRILLED       | DUG      | DRILLED  | DUG      | DRILLED            | DUG      |
|                | 2.65      |          | 8.08          |          | 8.00     |          | 610                |          |
|                |           | 12.80    |               | 7.81     |          | 7.70     |                    | 1190     |
|                | 2.60      |          | 8.21          |          | 7.80     |          | 390                |          |
|                | 1.70      |          | 8.18          |          | 7.90     |          | 440                |          |
|                | 2.75      |          | 8.20          |          | 7.90     |          | 400                |          |
|                |           | 1.60     |               | 7.94     |          | 7.70     |                    | 1010     |
|                | 3.30      |          | 8.18          |          | 7.70     |          | 400                |          |
|                | 1.55      |          | 8.23          |          | 8.00     |          | 390                |          |
|                |           | 1.25     |               | 7.83     |          | 7.50     |                    | 1900     |
|                | 3.15      |          | 8.01          |          | 7.40     |          | 540                |          |
|                |           | 2.25     |               | 7.88     |          |          |                    |          |
|                | 1.80      |          | 8.12          |          | 7.90     |          | 560                |          |
|                | 0.75      |          | 8.06          |          |          |          |                    |          |
|                | 1.30      |          | 8.19          |          | 7.90     |          | 410                |          |
|                | 1.15      |          | 8.20          |          |          |          |                    |          |
|                | 4.85      |          | 8.34          |          | 8.30     |          | 340                |          |
|                | 4.35      |          | 8.11          |          | 7.70     |          | 790                |          |
|                | 2.30      |          | 8.19          |          | 7.90     |          | 490                |          |
|                | 2.00      |          | 8.18          |          |          |          |                    |          |
|                | 3.45      |          | 8.19          |          |          |          |                    |          |
|                | 1.50      |          | 8.11          |          |          |          |                    |          |
|                | 1.35      |          | 8.04          |          |          |          |                    |          |
|                |           | 7.30     |               | 7.70     |          |          |                    |          |
|                |           | 11.30    |               | 7.76     |          |          |                    |          |
|                | 4.20      |          | 7.98          |          |          |          |                    |          |
|                | 2.00      |          | 8.00          |          |          |          |                    |          |
| =====          |           |          |               |          |          |          |                    |          |
| TOTAL          | 133.60    | 67.20    | 443.44        | 132.49   | 262.40   | 90.30    | 20770              | 12700    |
| COUNT          | 55        | 18       | 57            | 18       | 36       | 13       | 27                 | 11       |
| AVERAGE        | 2.34      | 3.73     | 7.78          | 7.36     | 7.29     | 6.95     | 769                | 1155     |
| MAXIMUM        | 4.85      | 12.80    | 8.34          | 8.05     | 10.50    | 7.90     | 1930               | 1990     |
| MINIMUM        | 0.00      | 0.00     | 0.00          | 0.00     | 0.00     | 0.00     | 0                  | 0        |
| VARIANCE       | 1.162900  | 12.90861 | 2.211084      | 3.207038 | 3.453765 | 4.120946 | 334177.2           | 284442.9 |
| STANDARD       | 1.078378  | 3.592855 | 1.486971      | 1.790820 | 1.858430 | 2.030011 | 578.0806           | 533.3319 |





TABLE 4

MILLGROVE GROUND WATER QUALITY STUDY  
SELECTED VOC ANALYSIS RESULTS

| WATER SAMPLE #<br>TYPE OF WELL            | GREATER THAN TRACE<br>CONCENTRATIONS |                                                 |                                                                                                                 |                                                                       | TRACE CONCENTRATIONS     |                                                         |                                                                                      |                          |                                                           | DRINKING<br>WATER<br>OBJECTIVE |
|-------------------------------------------|--------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------|--------------------------------|
|                                           | DRILLED                              | DUG                                             | DRILLED                                                                                                         | DRILLED                                                               | DRILLED                  | DUG                                                     | DUG                                                                                  | DRILLED                  | DRILLED                                                   |                                |
| 1,1-Dichloro-Ethane                       |                                      |                                                 |                                                                                                                 |                                                                       |                          | 0.2<br>T                                                |                                                                                      |                          |                                                           | (1)                            |
| Chloroform                                |                                      |                                                 |                                                                                                                 | 5.2                                                                   |                          | 0.12<br>T                                               |                                                                                      | 0.1<br>T                 | 0.2<br>T                                                  | (2)                            |
| 1,2-Dichloro-Ethane                       |                                      |                                                 |                                                                                                                 |                                                                       |                          | 0.12<br>T                                               |                                                                                      |                          |                                                           | (1)                            |
| Benzene                                   |                                      |                                                 |                                                                                                                 |                                                                       |                          |                                                         | 0.2<br>T                                                                             |                          |                                                           | 5<br>MAC                       |
| 1,2-Dichloro-Propane                      |                                      |                                                 | 11.2                                                                                                            |                                                                       |                          |                                                         |                                                                                      |                          |                                                           |                                |
| Tolu ene                                  | 0.65                                 |                                                 |                                                                                                                 |                                                                       |                          |                                                         |                                                                                      |                          |                                                           | 24<br>AO                       |
| Total Trihalo-Methanes                    |                                      |                                                 |                                                                                                                 | 5.2                                                                   |                          |                                                         |                                                                                      |                          |                                                           | 350<br>MAC                     |
| Ethyl-Benzene                             | 0.35<br>T                            |                                                 |                                                                                                                 |                                                                       |                          |                                                         |                                                                                      |                          |                                                           | 2.4<br>AO                      |
| M-Xylene                                  | 1.2                                  |                                                 |                                                                                                                 |                                                                       |                          |                                                         |                                                                                      |                          |                                                           |                                |
| O-Xylene                                  | 0.45<br>T                            |                                                 |                                                                                                                 |                                                                       | 0.05<br>T                |                                                         |                                                                                      |                          |                                                           | 300<br>AO<br>(3)               |
| 1,4-Dichloro-Benzene                      |                                      | 0.2                                             |                                                                                                                 |                                                                       |                          |                                                         |                                                                                      |                          |                                                           |                                |
| POSSIBLE CAUSE<br>OF VOC<br>CONTAMINATION | Recently<br>Drilled                  | History<br>of<br>Elevated<br>Bacteria<br>Levels | Penetra-<br>ing Oil<br>Used on<br>Pump,<br>Well<br>Located<br>Down-<br>gradient<br>from a<br>Closed<br>Landfill | Submers-<br>ible<br>Pump<br>&<br>Recently<br>Chlori-<br>nated<br>Well | Submers-<br>ible<br>Pump | In<br>Process<br>of<br>Instal-<br>ling<br>a New<br>Pump | Oil Used<br>to<br>Supress<br>Dust<br>on<br>Driveway<br>(located<br>3 m from<br>well) | Submers-<br>ible<br>Pump | Custodian<br>Uncertain<br>of Chlor-<br>inator<br>Location |                                |

AO - Aesthetic objective: applies to certain substances or characteristics of drinking water which can affect its acceptance by consumers or interfere with good water supply practices; from the Guidelines for Canadian Drinking Water Quality (1987).

MAC -Maximum acceptable concentrations: applies to certain substances that are known or suspected to cause adverse health effects; from the Guidelines for Canadian Drinking Water Quality (1987).

T - A measureable trace amount: interpret with caution.

(1) Under review for possible revision, deletion from, or addition to the Guidelines for Canadian Drinking Water Quality (1987).

(2) A Component of total trihalomethanes which are regulated under the Ontario Drinking Water Objectives.

(3) Limits apply to the sum of all forms of each substance present and units are micrograms per litre.





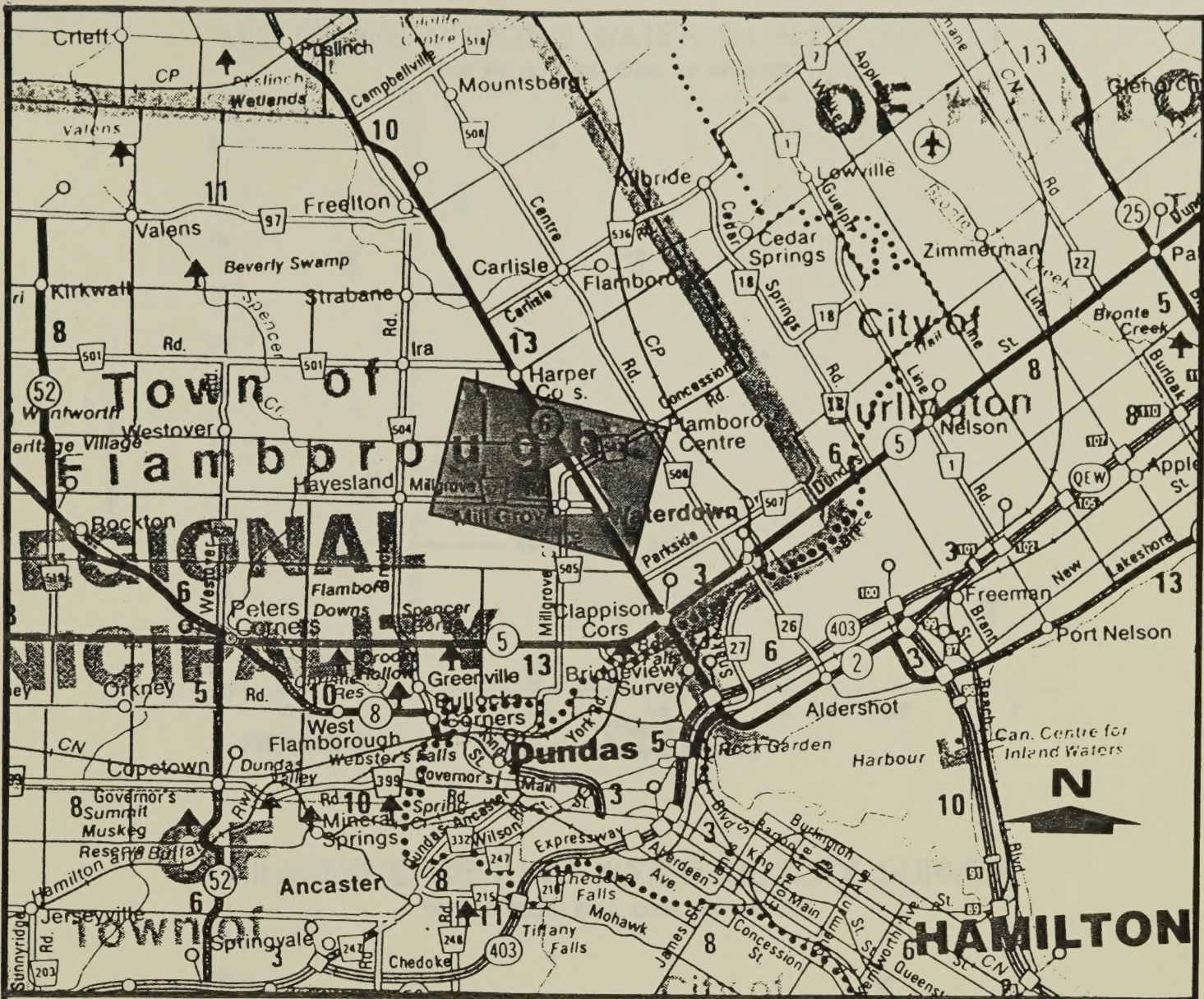
TABLE 5

MILLGROVE GROUNDWATER QUALITY SURVEY  
Statistical analyses of selected inorganic parameters

| WELL # | DRILLED WELLS |          |            |          |          |          |          |  | DUG WELLS |          |            |          |          |          |          |    |
|--------|---------------|----------|------------|----------|----------|----------|----------|--|-----------|----------|------------|----------|----------|----------|----------|----|
|        | E.C.          | Na       | Alkalinity | Cl       | Nitrate  | Total C. | Faecal C |  | E.C.      | Na       | Alkalinity | Cl       | Nitrate  | Total C. | Faecal C |    |
| 677    | 154           | 193.5    | 14.4       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 487    | 17            | 181.1    | 14.6       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 650    | 22.6          | 205.3    | 35         | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 998    | 35.6          | 306      | 93.7       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 545    | 10.2          | 196.3    | 9.4        | 0.05     | 0        | 0        |          |  | 984       | 33       | 420.1      | 50.1     | 2.7      | 0        | 0        |    |
| 508    | 8.6           | 210      | 3.6        | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 470    | 7.6           | 199.3    | 13.3       | 0.05     | 0        | 0        |          |  | 2020      | 276      | 278        | 129      | 2.95     | 80       | 60       |    |
| 494    | 9.2           | 250.7    | 5.5        | 0.05     | 0        | 0        |          |  | 1450      | 130      | 323.7      | 225      | 21.9     | 45       | 4        |    |
| 539    | 11.8          | 216.1    | 20.7       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 563    | 11.4          | 217.3    | 21.5       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 585    | 12.6          | 216.1    | 25.5       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 623    | 9.2           | 174.8    | 10.5       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 596    | 6.4           | 205.6    | 16.1       | 0.1      | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 671    | 18.4          | 203.1    | 21.6       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 565    | 14.2          | 201.5    | 13.4       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 676    | 17.2          | 200.8    | 16         | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 477    | 8.2           | 227.5    | 7.7        | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 704    | 10            | 235.2    | 9.9        | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 494    | 9.2           | 210.9    | 13.7       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 470    | 7.2           | 233.1    | 5.9        | 0.05     | 2        | 0        |          |  | 860       | 30.6     | 229        | 81.9     | 7.9      | 0        | 0        |    |
| 505    | 9.6           | 211.8    | 15.1       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 654    | 18.2          | 204.5    | 18.5       | 0.05     | too old  | too old  |          |  |           |          |            |          |          |          |          |    |
| 770    | 23.4          | 190.8    | 27.9       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 611    | 16            | 200.1    | 16.9       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 488    | 7.8           | 232.3    | 7.7        | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 461    | 7.2           | 215.9    | 8.2        | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 627    | 12.2          | 207      | 5          | 0.05     | turbid   | turbid   |          |  | 1360      | 78       | 331.8      | 148      | 11.4     | 80       | 0        |    |
| 458    | 12.4          | 190.4    | 10.6       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 529    | 10.2          | 233.6    | 13.4       | 0.05     | 0        | 0        |          |  | 680       | 27.6     | 215.9      | 25.7     | 0.8      | 80       | 17       |    |
| 631    | 16.8          | 207.4    | 18         | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 616    | 12.8          | 198.2    | 15         | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 837    | 49.8          | 208.7    | 30         | 0.05     | 0        | 0        |          |  | 2910      | 384      | 283.3      | 738      | 2.8      | 80       | 0        |    |
| 671    | 15.6          | 211.6    | 15.6       | 0.05     | 0        | 0        |          |  | 762       | 20       | 278.7      | 33       | 5.1      | 80       | 60       |    |
| 836    | 21.4          | 196.6    | 22.9       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 674    | 10.8          | 203.9    | 15.8       | 0.05     | 0        | 0        |          |  | 1085      | 113      | 204.9      | 181      | 8.5      | 60       | 0        |    |
| 636    | 14.6          | 205      | 20.5       | 0.05     | 1        | 0        |          |  | 1390      | 101      | 334.6      | 215      | 0.5      | 35       | 1        |    |
| 405    | 9.6           | 196.9    | 5.4        | 0.05     | 0        | 0        |          |  | 1160      | 31.2     | 417.1      | 60       | 16.1     | 80       | 2        |    |
| 449    | 7             | 202.6    | 7.8        | 0.05     | 0        | 0        |          |  | 1740      | 153      | 300.5      | 307      | 16.9     | 0        | 0        |    |
| 406    | 8.2           | 191.2    | 4          | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 415    | 8.8           | 194.5    | 6.5        | 0.05     | 0        | 0        |          |  | 1064      | 114      | 305.8      | 120      | 8.4      | 0        | 0        |    |
| 381    | 6.6           | 179.3    | 2.5        | 0.05     | 0        | 0        |          |  | 2150      | 227      | 397.6      | 409      | 12.7     | 0        | 0        |    |
| 578    | 7             | 278.6    | 9.2        | 0.05     | 0        | 0        |          |  | 793       | 6        | 270.2      | 20.1     | 16.9     | turbid   | turbid   |    |
| 589    | 8.6           | 195.8    | 11.5       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 870    | 16.6          | 273.4    | 30.2       | 23.1     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 507    | 8.6           | 195.6    | 11.2       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 477    | 5.4           | 215.6    | 7.3        | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 377    | 14.2          | 176      | 10.1       | 0.05     | turbid   | turbid   |          |  |           |          |            |          |          |          |          |    |
| 710    | 15.6          | 209.8    | 22         | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 480    | 9             | 217.7    | 10         | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 506    | 9.8           | 219.5    | 15.4       | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 699    | 17.4          | 205.1    | 15.8       | 0.05     | 4        | 0        |          |  |           |          |            |          |          |          |          |    |
| 470    | 6.8           | 202.5    | 9.7        | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 462    | 7.8           | 202.6    | 8.9        | 0.05     | 0        | 0        |          |  |           |          |            |          |          |          |          |    |
| 781    | 17.2          | 209.9    | 23.7       | 0.05     | 0        | 0        |          |  | 1162      | 63.2     | 286.2      | 110      | 19.4     | 11       | 4        |    |
| 482    | 7.8           | 218.5    | 10.4       | 0.05     | 0        | 0        |          |  | 1014      | 54.4     | 277.2      | 110      | 9        | 2        | 0        |    |
| sum    | 31840         | 851.4    | 11587.1    | 854.7    | 25.85    |          |          |  | 22584     | 1842     | 5154.6     | 3245     | 163.95   |          |          |    |
| count  | 55            | 55       | 55         | 55       | 55       | 54       | 54       |  | 17        | 17       | 17         | 17       | 17       | 17       | 17       | 17 |
| ave    | 578.9090      | 15.48    | 210.6745   | 15.54    | 0.47     |          |          |  | 1328.470  | 108.3529 | 303.2117   | 190.8823 | 9.644117 |          |          |    |
| max    | 998           | 154      | 306        | 93.7     | 23.1     | 4        | 0        |  | 2910      | 384      | 420.1      | 738      | 21.9     | 80       | 60       |    |
| min    | 377           | 5.4      | 174.8      | 2.5      | 0.05     | 0        | 0        |  | 680       | 6        | 204.9      | 20.1     | 0.5      | 0        | 0        |    |
| var    | 17196.84      | 409.8234 | 548.3851   | 165.2093 | 9.483690 | 0.372085 | 0        |  | 323160.6  | 9946.120 | 3780.206   | 23397.17 | 43.14408 | 1282.650 | 366.9134 |    |
| std    | 131.1367      | 20.24409 | 23.41762   | 12.85337 | 3.079560 | 0.609987 | 0        |  | 568.4721  | 99.73023 | 61.48338   | 152.7489 | 6.568415 | 35.81411 | 19.15498 |    |







# LEGEND



MILLGROVE CORE AREA



AREA SHOWN IN FIGURE 2

## SITE LOCATION PLAN

1

MILLGROVE GROUND WATER

QUALITY SURVEY

FOR THE

MINISTRY OF THE ENVIRONMENT

**DRAFT**

JAGGER HIMS LIMITED  
CONSULTING ENGINEERS

PROJECT 90163.00

SCALE 1: 200,000







# MILLGROVE GROUND WATER QUALITY SURVEY

DUG WELLS: ELEC. COND. VS. NITRATES

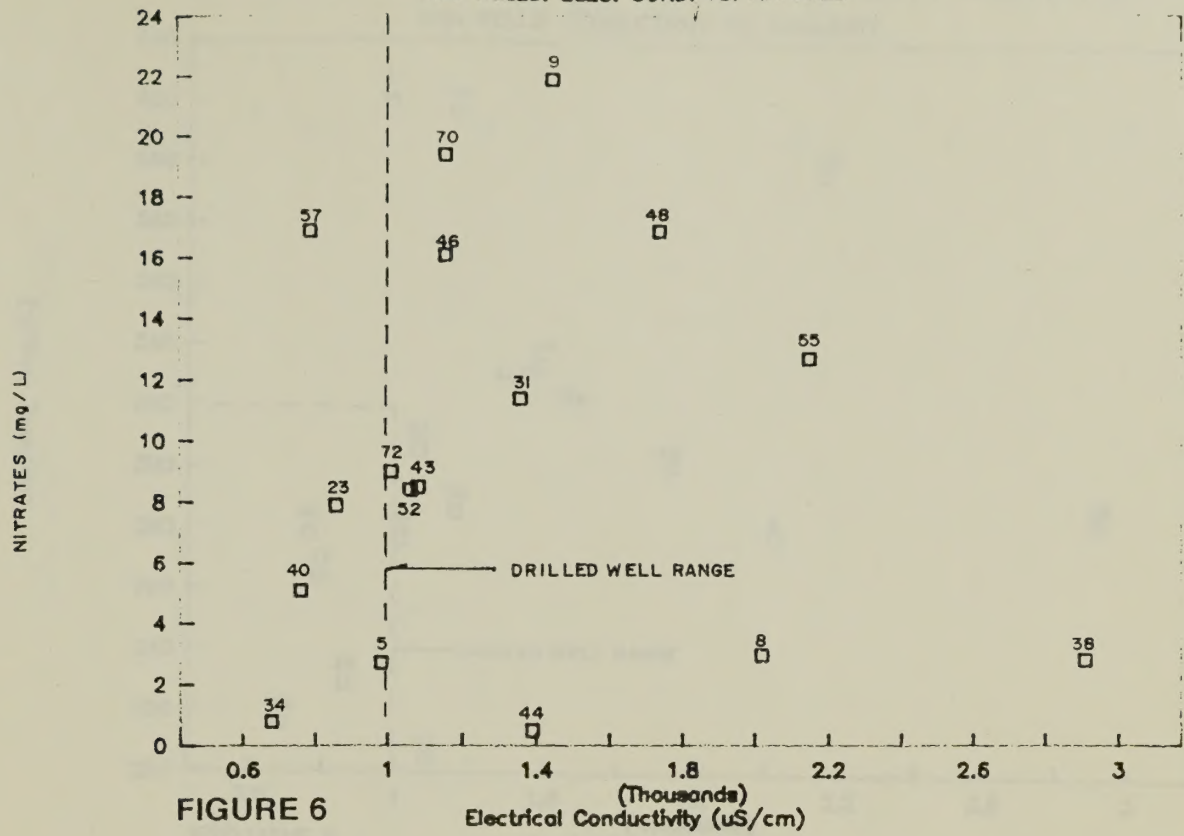


FIGURE 6

# MILLGROVE GROUND WATER QUALITY SURVEY

DRILLED WELLS: ELEC. COND. VS. NITRATES

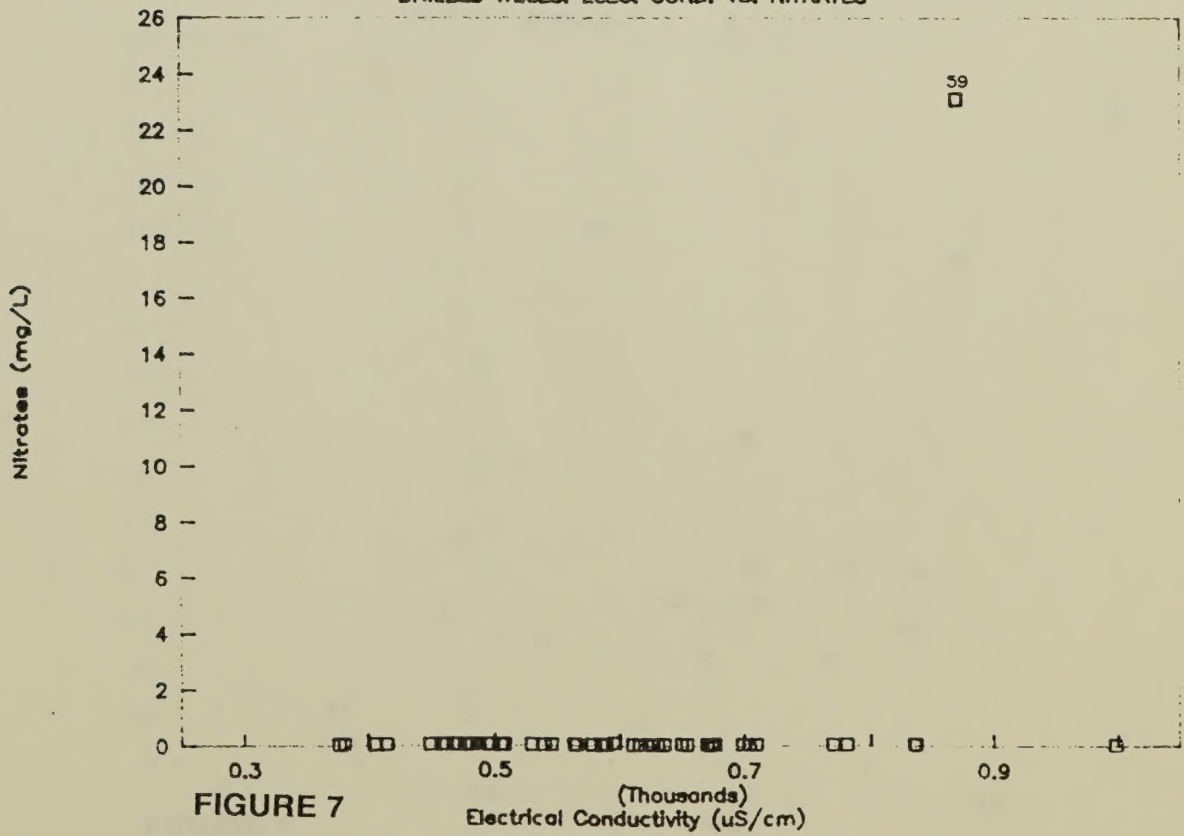


FIGURE 7





# MILLGROVE GROUND WATER QUALITY SURVEY

DUG WELLS: CONDUCTIVITY VS. ALKALINITY

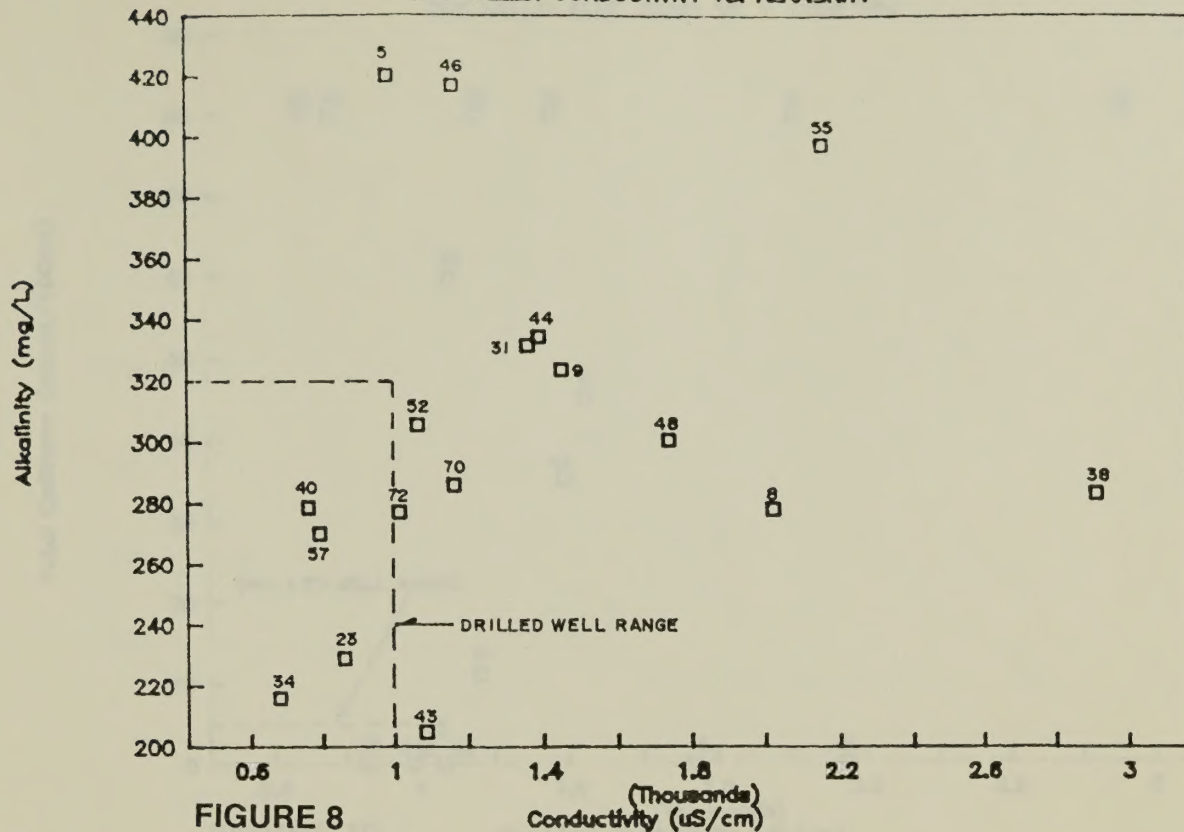


FIGURE 8

# MILLGROVE GROUND WATER QUALITY SURVEY

DEEP WELLS: CONDUCTIVITY VS. ALKALINITY

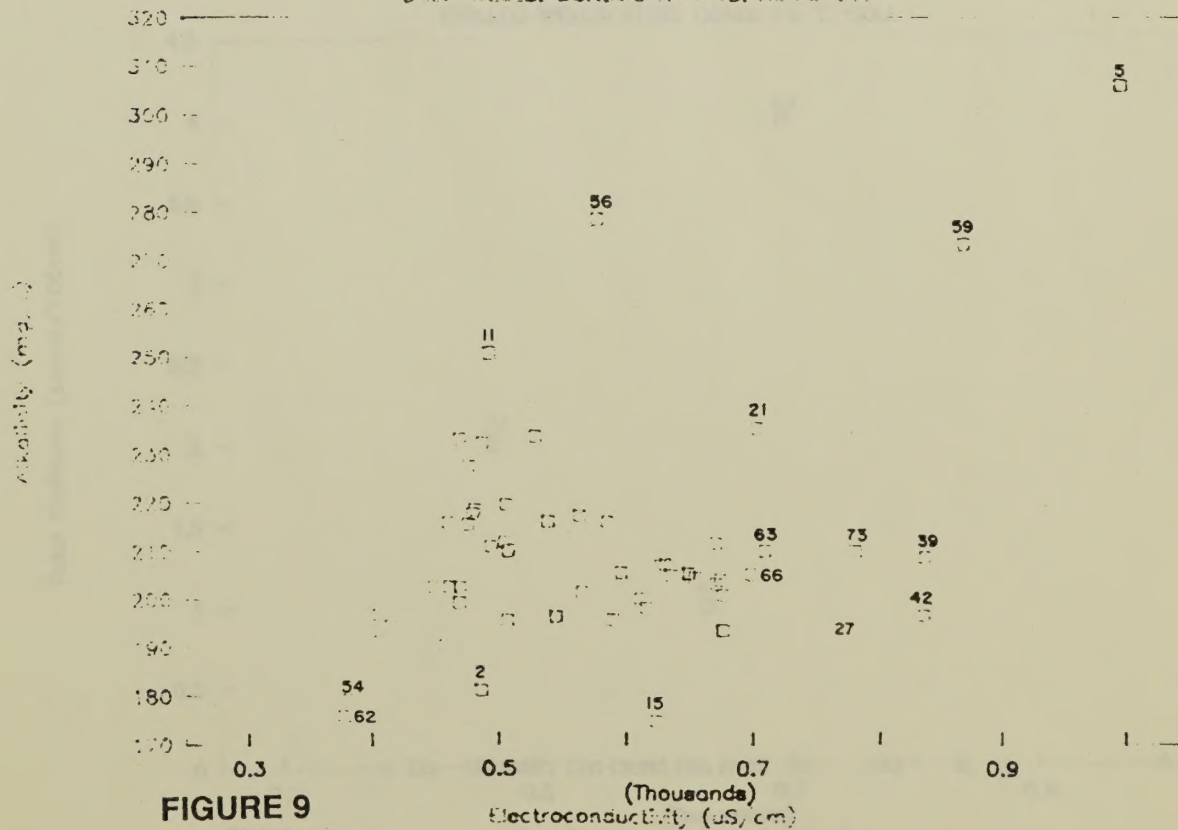


FIGURE 9





# MILLGROVE GROUND WATER QUALITY SURVEY

DUG WELLS: ELEC. COND. VS. T. COLIFORM

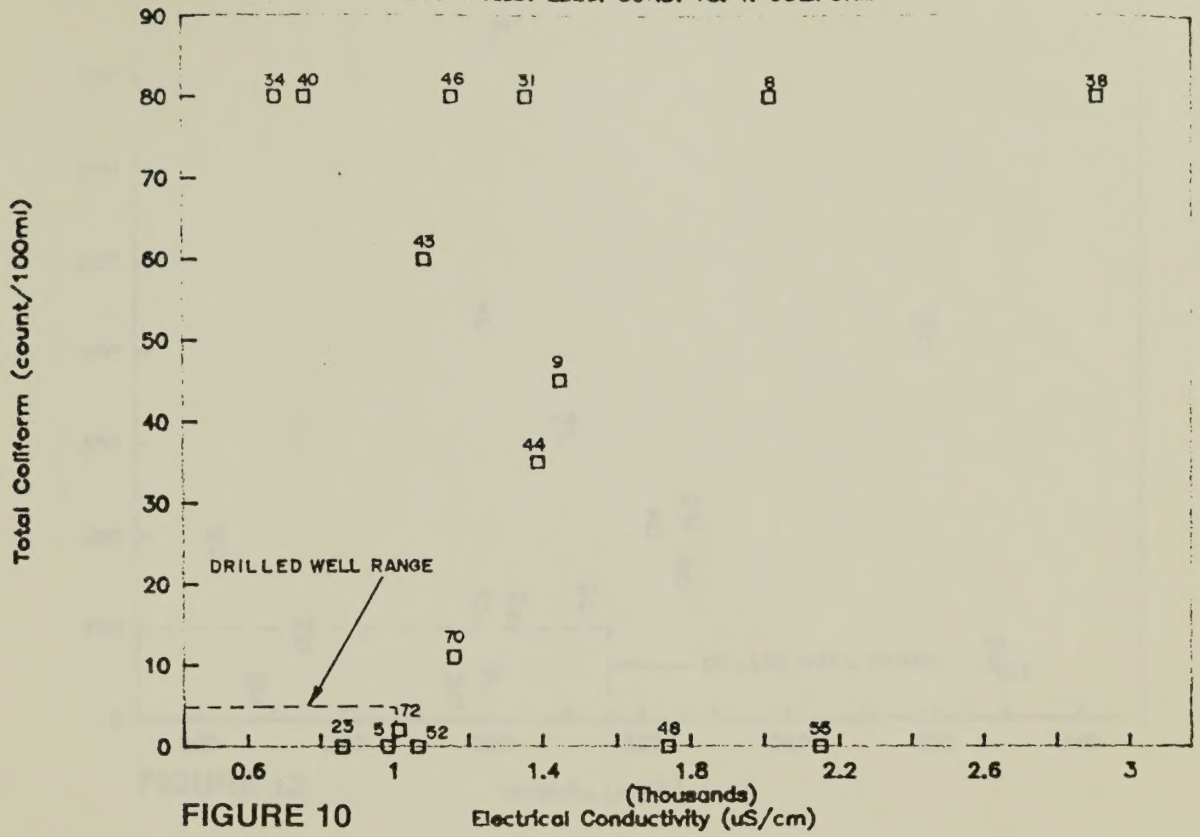


FIGURE 10

# MILLGROVE GROUND WATER QUALITY SURVEY

DRILLED WELLS: ELEC. COND. VS. T. COLL

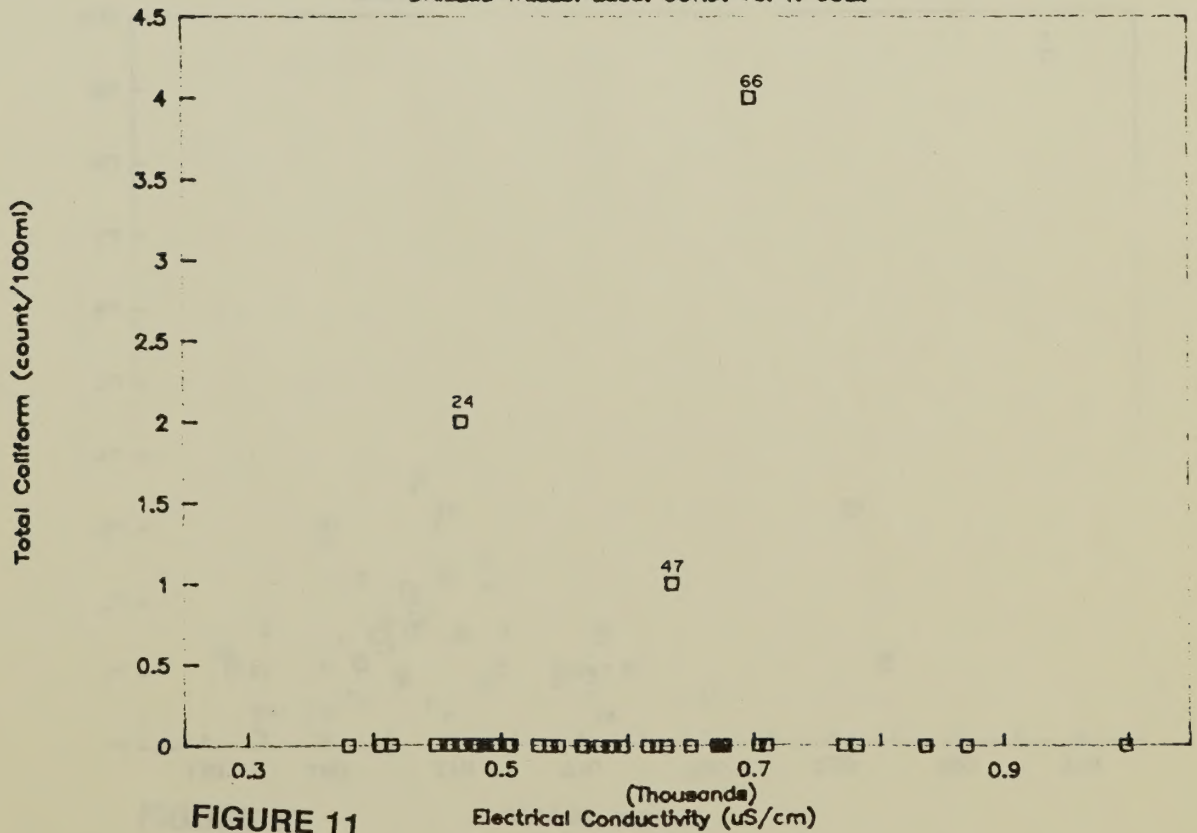


FIGURE 11





# MILLGROVE GROUND WATER QUALITY SURVEY

DRILLED WELLS: ALKALINITY VS. CHLORIDE

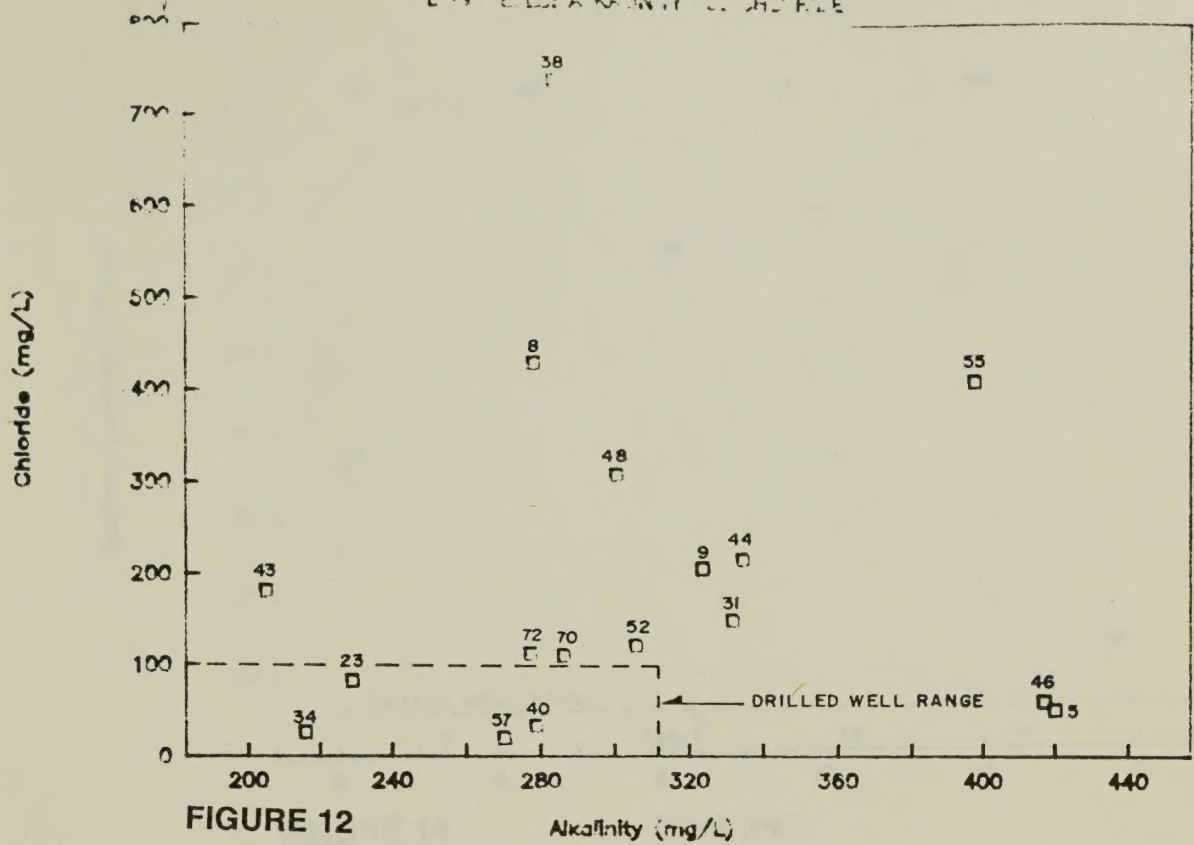


FIGURE 12

# MILLGROVE GROUND WATER QUALITY SURVEY

DRILLED WELLS: ALKALINITY VS. CHLORIDE

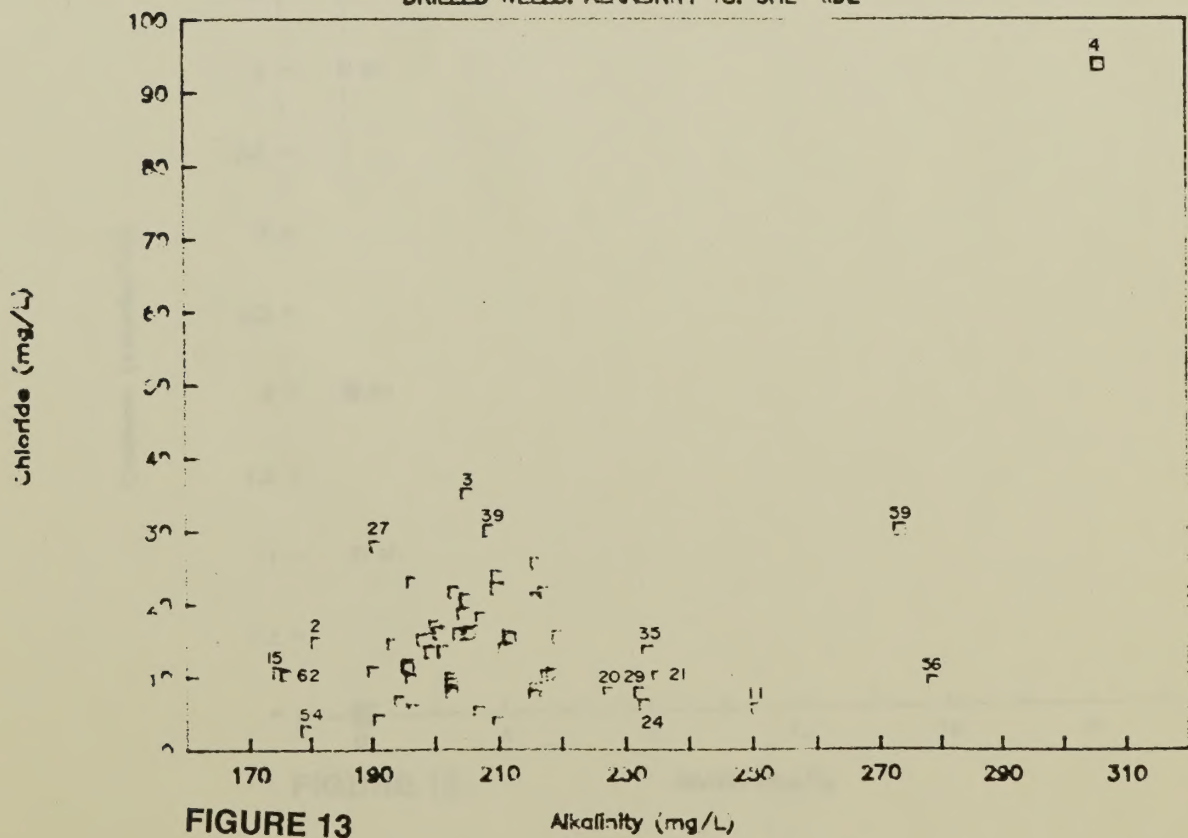


FIGURE 13





# MILLGROVE GROUND WATER QUALITY SURVEY

## NITRATE VS. TOTAL COLIFORM

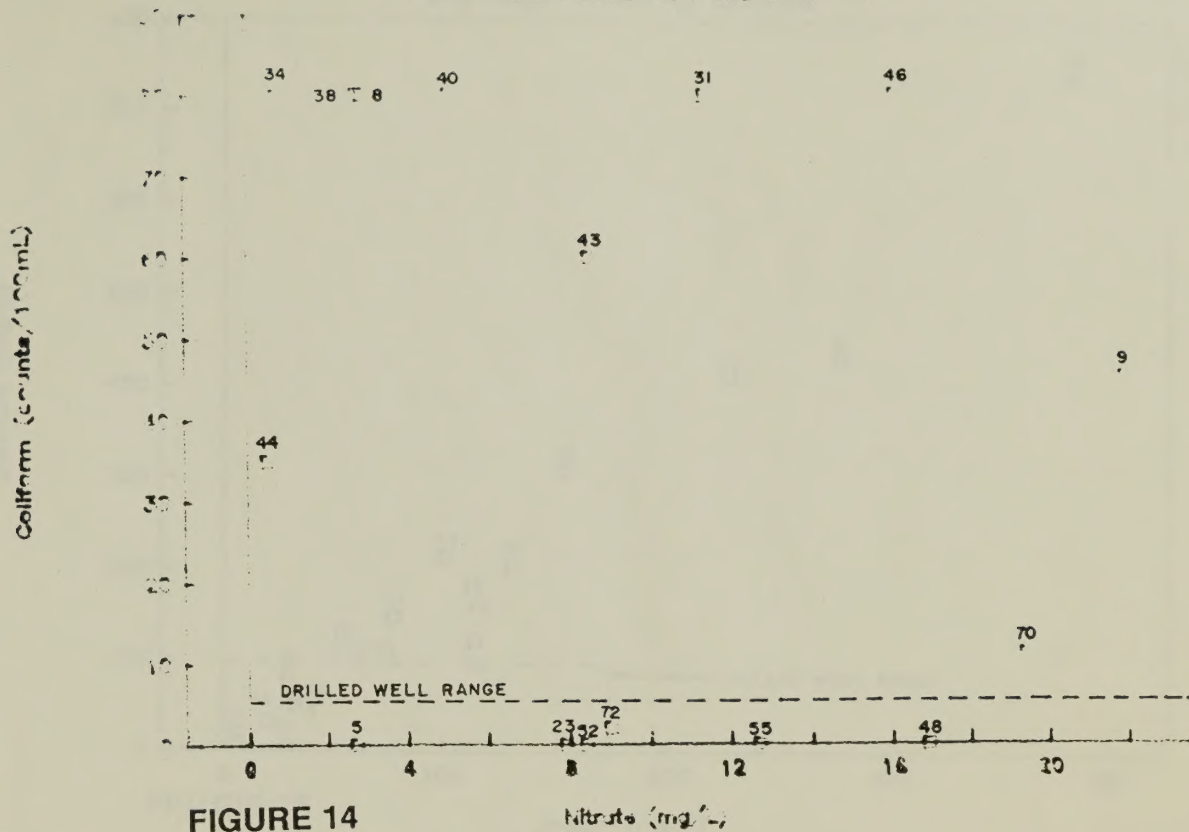


FIGURE 14

# MILLGROVE GROUND WATER QUALITY SURVEY

## DRILLED WELLS: NITRATE VS. TOT. COLIFORM

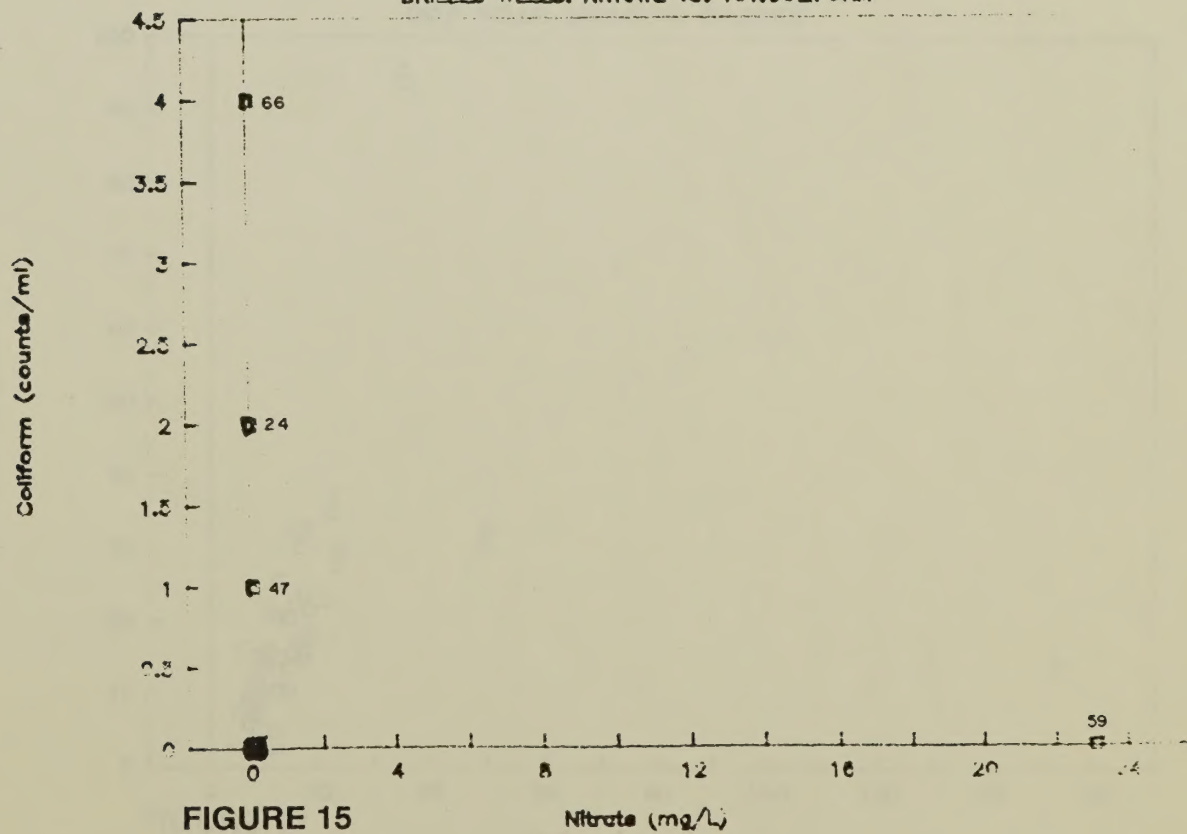


FIGURE 15





# MILLGROVE GROUND WATER QUALITY SURVEY

DUG WELLS: SODIUM VS. CHLORIDE

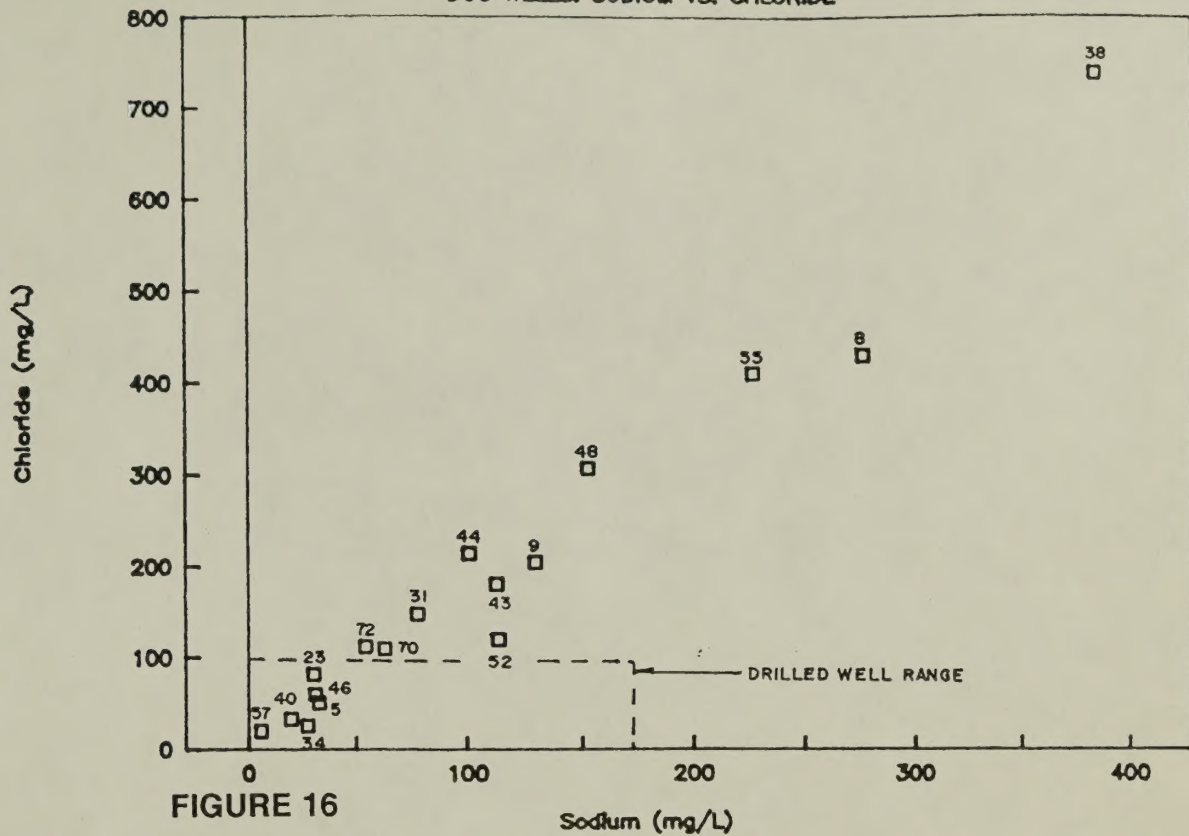


FIGURE 16

# MILLGROVE GROUND WATER QUALITY SURVEY

DEEP WELLS: SODIUM VS. CHLORIDE

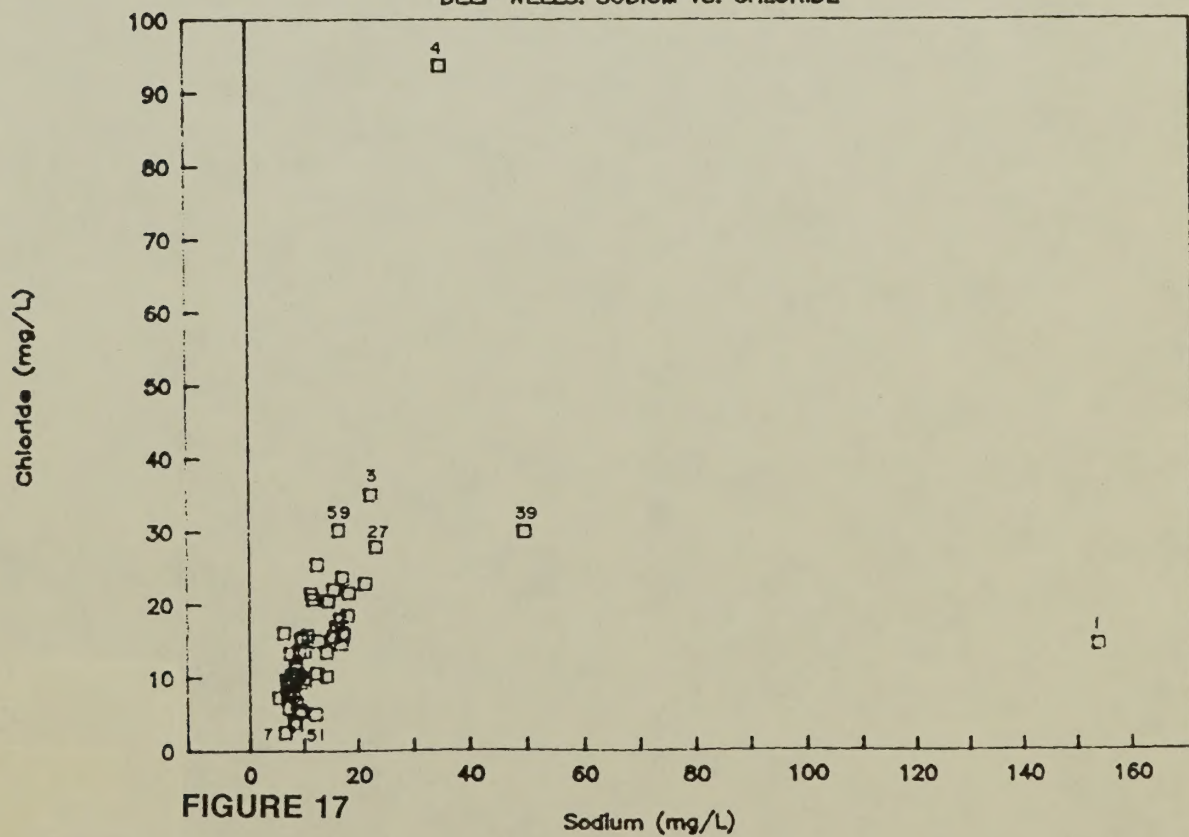


FIGURE 17





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample#    | Remarks | Sampling Date | Time | Zone |
|--------------|-------------------|-------------------------------|----------------|---------|---------------|------|------|
| 01           | CODE NOT GIVEN    |                               | W13-0113       |         | 26/03/90      |      | 5    |
| 02           | CODE NOT GIVEN    |                               | W13-0114       |         | 26/03/90      |      | 5    |
| 03           | CODE NOT GIVEN    |                               | W13-0115       |         | 26/03/90      |      | 5    |
| 04           | CODE NOT GIVEN    |                               | W13-0116       |         | 26/03/90      |      | 5    |
| 05           | CODE NOT GIVEN    |                               | W13-0117       |         | 26/03/90      |      | 5    |
| 06           | CODE NOT GIVEN    |                               | CRES. W13-0118 |         | 26/03/90      |      | 5    |

| Field Sample Number                                                   | 01       | 02       | 03       | 04       | 05       | 06       |
|-----------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description                                                      | W13-0113 | W13-0114 | W13-0115 | W13-0116 | W13-0117 | W13-0118 |
| Code, Units of Measure Method                                         |          |          |          |          |          |          |
| CONDUCTIVITY, 25C<br>CONDEN, UMHO/CM at 25 D. CENT.<br>002B12         | 677.     | 487.     | 650.     | 998.     | 984.     | 545.     |
| HARDNESS, TOTAL<br>HARDT, MG/L as CaCO3<br>CALCO1                     | 2.0<T    | 223.0    | 293.0    | 462.0    | 476.0    | 271.0    |
| CALCIUM, UNF REACTIVE<br>CAUR, MG/L as Ca (Calcium)<br>002CA1         | .6<T     | 46.6     | 69.2     | 126.0    | 152.0    | 66.4     |
| MAGNESIUM, UNF REACTIVE<br>MGUR, MG/L as Mg (Magnesium)<br>001CA1     | .10<T    | 26.00    | 29.30    | 35.60    | 23.30    | 25.60    |
| SODIUM, UNF REACT<br>NAUR, MG/L as Na (Sodium)<br>001EA1              | 154.0    | 17.0     | 22.6     | 35.6     | 33.0     | 10.2     |
| POTASSIUM, UNF REACT<br>KKUR, MG/L as K (Potassium)<br>002EA1         | .40      | 2.05     | 3.15     | 1.40     | 1.30     | 2.40     |
| ALKALINITY, TOTAL<br>ALKT, MG/L as CaCO3<br>004AT6                    | 193.5    | 181.1    | 205.3    | 306.0    | 420.1    | 196.3    |
| PH (-LOG(H+(CONCN)))<br>PH, DIMENSIONLESS<br>003A12                   | 8.01     | 8.09     | 7.94     | 7.74     | 7.41     | 8.00     |
| CHLORIDE, UNF REACTIVE<br>CLIDUR, MG/L as Cl- Chloride<br>004EC2      | 14.40    | 14.60    | 35.00    | 93.70    | 50.30    | 9.40     |
| SULPHATE, UNF REACT<br>SO4UR, MG/L as SO4 Sulphate<br>003A10          | 118.75   | 58.81    | 86.38    | 92.08    | 42.30    | 84.11    |
| NITR'N, TOTAL KJELD, UNF. R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2 | .10<T    | .45      | .80      | .60      | .05<T    | .05<T    |
| AMMONIUM, TOTL, FRAC REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2   | .05<T    | .10<T    | .15<T    | <.05<W   | <.05<W   | .10<T    |
| NITRATES, TOTL, FRAC REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2   | <.05<W   | <.05<W   | <.05<W   | <.05<W   | 2.70     | <.05<W   |
| NITRITE, FRAC REACT<br>NNO2FR, MG/L as N (Nitrogen)<br>102CC2         | <.005<W  | <.005<W  | <.005<W  | <.005<W  | <.005<W  | <.005<W  |
| ION BALANCE CALCULATION<br>IONBL, %                                   | 6.56E-02 | .1433    | .7181    | 1.180    | .7697    | .1311    |
| TOTAL POSITIVE IONS<br>POS, MEG                                       | 6.751    | 5.264    | 6.938    | 10.80    | 10.97    | 5.932    |
| TOTAL NEGATIVE IONS<br>NEG, MEG                                       | 6.746    | 5.256    | 6.889    | 10.68    | 10.89    | 5.940    |
| EST. DISSOLVED SOLIDS<br>DISOL, MG/L                                  | 406.3    | 275.6    | 371.0    | 570.9    | 570.3    | 317.9    |
| ESTIMATED CONDUCTIVITY<br>CONDY, UMHO/CM AT 25C                       | 674.1    | 548.6    | 739.5    | 1135.    | 1077.    | 626.9    |





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time | Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|------|------|
| 07           | CODE NOT GIVEN    |                               |             |         | 26/03/90      |      | 5    |
| 08           | CODE NOT GIVEN    |                               | W13-0119    |         | 26/03/90      |      | 5    |
| 09           | CODE NOT GIVEN    |                               | W13-0120    |         | 26/03/90      |      | 5    |
| 10           | CODE NOT GIVEN    |                               | W13-0121    |         | 26/03/90      |      | 5    |
| 11           | CODE NOT GIVEN    |                               | W13-0122    |         | 26/03/90      |      | 5    |
| 12           | CODE NOT GIVEN    |                               | W13-0123    |         | 26/03/90      |      | 5    |
|              |                   |                               | W13-0124    |         | 26/03/90      |      | 5    |

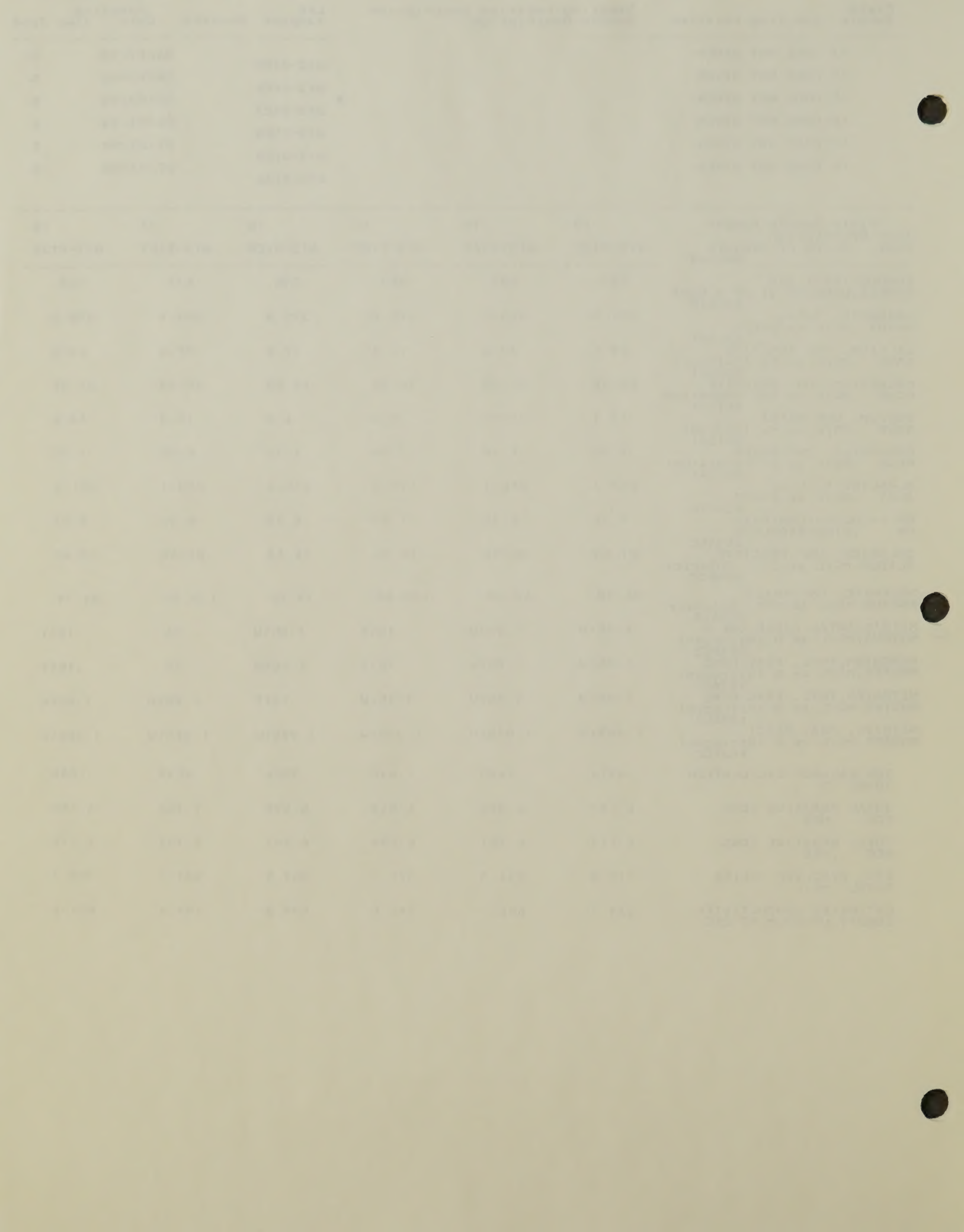
| Field Sample Number                                                  | 07       | 08       | 09       | 10       | 11       | 12       |
|----------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description                                                     |          |          |          |          |          |          |
| Code, Units of Measure                                               | W13-0119 | W13-0120 | W13-0121 | W13-0122 | W13-0123 | W13-0124 |
| Method                                                               |          |          |          |          |          |          |
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002B12           | 508.     | 2020.    | 1450.    | 470.     | 494.     | 539.     |
| HARDNESS, TOTAL<br>HARDT, MG/L as CaCO3<br>CALC01                    | 258.0    | 385.0    | 438.0    | 236.0    | 256.0    | 266.0    |
| CALCIUM, UNF REACTIVE<br>CAUR, MG/L as Ca (Calcium)<br>002CA1        | 61.8     | 128.0    | 135.0    | 52.6     | 54.2     | 63.4     |
| MAGNESIUM, UNF REACTIVE<br>MGUR, MG/L as Mg Magnesium<br>001CA1      | 25.20    | 16.20    | 24.40    | 25.50    | 29.40    | 26.10    |
| SODIUM, UNF REACT.<br>NAUR, MG/L as Na (Sodium)<br>001EA1            | 8.6      | 276.0    | 130.0    | 7.6      | 9.2      | 11.8     |
| POTASSIUM, UNF REACT.<br>KKUR, MG/L as K (Potassium)<br>002EA1       | 2.90     | .85      | 4.95     | 1.50     | 2.15     | 1.75     |
| ALKALINITY, TOTAL<br>ALKT, MG/L as CaCO3<br>004AT6                   | 210.0    | 278.0    | 323.7    | 199.3    | 250.7    | 216.1    |
| PH (-LOG(H+(CONCN)))<br>PH, DIMENSIONLESS<br>003AI2                  | 7.94     | 7.78     | 7.80     | 7.99     | 7.94     | 7.94     |
| CHLORIDE, UNF REACTIVE<br>CLIDUR, MG/L as Cl- Chloride<br>004BC2     | 3.60     | 429.00   | 205.00   | 13.30    | 5.50     | 20.70    |
| SULPHATE, UNF REACT.<br>SSO4UR, MG/L as SO4 Sulphate<br>003AI0       | 61.50    | 86.27    | 37.80    | 36.27    | 18.07    | 49.09    |
| NITR'N, TOTAL KJELD, UNF.R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2 | .10<T    | .20<T    | .30      | .20<T    | .15<T    | (.05<W   |
| AMMONIUM, TOTL, FRAC.REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2  | .15<T    | (.05<W   | (.05<W   | .05<T    | .15<T    | .05<T    |
| NITRATES, TOTL, FRAC.REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2  | (.05<W   | 2.95     | 21.90    | (.05<W   | (.05<W   | (.05<W   |
| NITRITE, FRAC REACT.<br>NNO2FR, MG/L as N (Nitrogen)<br>102CC2       | (.005<W  | .010<T   | .015<T   | .015<T   | (.005<W  | (.005<W  |
| ION BALANCE CALCULATION<br>IONBL, %                                  | .6680    | .4290    | .5238    | .3567    | .8647    | .8860    |
| TOTAL POSITIVE IONS<br>POS, MEQ                                      | 5.616    | 19.75    | 14.53    | 5.096    | 5.590    | 5.973    |
| TOTAL NEGATIVE IONS<br>NEG, MEQ                                      | 5.579    | 19.66    | 14.60    | 5.114    | 5.542    | 5.925    |
| EST. DISSOLVED SOLIDS<br>DISOL, MG/L                                 | 291.8    | 1119     | 831.4    | 258.3    | 271.6    | 304.7    |
| ESTIMATED CONDUCTIVITY<br>CONDTY,UMHO/CM AT 25C                      | 573.7    | 2111     | 1551.    | 517.4    | 535.3    | 606.4    |





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 13           | CODE NOT GIVEN    |                               | W13-0125    |         | 26/03/90      | 5         |
| 14           | CODE NOT GIVEN    |                               | W13-0126    |         | 26/03/90      | 5         |
| 15           | CODE NOT GIVEN    |                               | W13-0127    |         | 26/03/90      | 5         |
| 16           | CODE NOT GIVEN    |                               | W13-0128    |         | 26/03/90      | 5         |
| 17           | CODE NOT GIVEN    |                               | W13-0129    |         | 27/03/90      | 5         |
| 18           | CODE NOT GIVEN    |                               | W13-0130    |         | 27/03/90      | 5         |

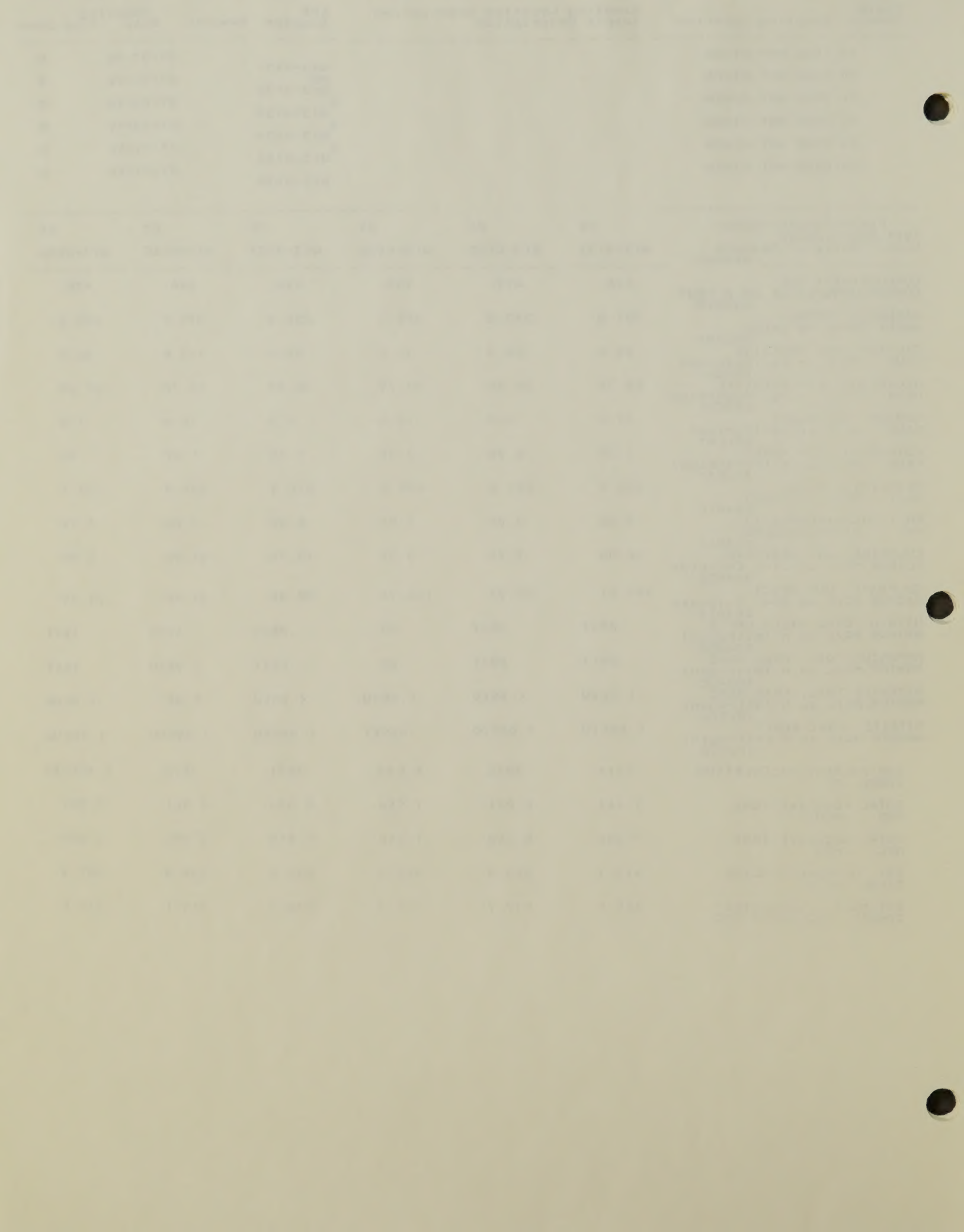
| Field Sample Number...<br>Test Description<br>Code, Units of Measure<br>Method | 13<br>W13-0125 | 14<br>W13-0126 | 15<br>W13-0127 | 16<br>W13-0128 | 17<br>W13-0129 | 18<br>W13-0130 |
|--------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002B12                     | 563.           | 585.           | 623.           | 596.           | 671.           | 565.           |
| HARDNESS, TOTAL<br>HARDT ,MG/L as CaCO3<br>CALC01                              | 281.0          | 290.0          | 315.0          | 315.0          | 322.0          | 276.0          |
| CALCIUM, UNF. REACTIVE<br>CAUR ,MG/L as Ca (Calcium)<br>002CA1                 | 69.6           | 74.2           | 73.4           | 77.8           | 80.8           | 64.8           |
| MAGNESIUM, UNF. REACTIVE<br>MGUR ,MG/L as Mg Magnesium<br>001CA1               | 25.90          | 25.60          | 32.00          | 29.20          | 29.20          | 27.60          |
| SODIUM, UNF. REACT.<br>NAUR ,MG/L as Na (Sodium)<br>001EA1                     | 11.4           | 12.6           | 9.2            | 6.4            | 18.4           | 14.2           |
| POTASSIUM, UNF. REACT.<br>KKUR ,MG/L as K (Potassium)<br>002EA1                | 1.85           | 1.60           | 3.80           | 1.35           | 2.55           | 1.90           |
| ALKALINITY, TOTAL<br>ALKT ,MG/L as CaCO3<br>004AT6                             | 217.3          | 216.1          | 174.8          | 205.6          | 203.1          | 201.5          |
| PH (-LOG(H+(CONCN)))<br>PH ,DIMENSIONLESS<br>003AI2                            | 7.92           | 8.06           | 7.99           | 8.07           | 8.02           | 8.07           |
| CHLORIDE, UNF. REACTIVE<br>CLIDUR, MG/L as Cl- Chloride<br>004BC2              | 21.50          | 25.50          | 10.50          | 16.10          | 21.60          | 13.40          |
| SULPHATE, UNF. REACT.<br>SSO4UR, MG/L as SO4 Sulphate<br>003AI0                | 56.08          | 63.02          | 139.48         | 94.90          | 130.32         | 84.74          |
| NITR'N, TOTAL KJELD, UNF. R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2          | <.05<W         | <.05<W         | .15<T          | <.05<W         | .30            | .15<T          |
| AMMONIUM, TOTL, FRAC. REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2           | <.05<W         | <.05<W         | .15<T          | <.05<W         | .30            | .15<T          |
| NITRATES, TOTL, FRAC. REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2           | <.05<W         | <.05<W         | <.05<W         | .10<T          | <.05<W         | <.05<W         |
| NITRITE, FRAC. REACT.<br>NNO2FR, MG/L as N (Nitrogen)<br>102CC2                | <.005<W        | <.005<W        | <.005<W        | <.005<W        | <.005<W        | <.005<W        |
| ION BALANCE CALCULATION<br>IONBL ,%                                            | .4976          | .7469          | 1.640          | .7826          | .8244          | .1896          |
| TOTAL POSITIVE IONS<br>POS ,MEQ                                                | 6.147          | 6.398          | 6.804          | 6.598          | 7.322          | 6.182          |
| TOTAL NEGATIVE IONS<br>NEG ,MEQ                                                | 6.117          | 6.351          | 6.694          | 6.547          | 7.382          | 6.170          |
| EST. DISSOLVED SOLIDS<br>DISOL ,MG/L                                           | 318.8          | 334.3          | 375.1          | 351.5          | 407.1          | 329.7          |
| ESTIMATED CONDUCTIVITY<br>CONDY, UMHO/CM AT 25C                                | 634.7          | 666.1          | 742.6          | 699.2          | 799.4          | 651.6          |





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 19           | CODE NOT GIVEN    |                               | W13-0131    |         | 27/03/90      | 5         |
| 20           | CODE NOT GIVEN    |                               | MS          |         | 27/03/90      | 5         |
| 21           | CODE NOT GIVEN    |                               | W13-0132    |         | 27/03/90      | 5         |
| 22           | CODE NOT GIVEN    |                               | W13-0133    |         | 27/03/90      | 5         |
| 23           | CODE NOT GIVEN    |                               | W13-0134    |         | 27/03/90      | 5         |
| 24           | CODE NOT GIVEN    |                               | W13-0135    |         | 27/03/90      | 5         |
|              |                   |                               | W13-0136    |         |               |           |

| Field Sample Number...                                               | 19       | 20       | 21       | 22       | 23       | 24       |
|----------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description                                                     |          |          |          |          |          |          |
| Code, Units of Measure                                               | W13-0131 | W13-0132 | W13-0133 | W13-0134 | W13-0135 | W13-0136 |
| Method                                                               |          |          |          |          |          |          |
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002BI2           | 676.     | 477.     | 704.     | 494.     | 860.     | 470.     |
| HARDNESS, TOTAL<br>HARDT, MG/L as CaCO3<br>CALC01                    | 331.0    | 243.0    | 370.0    | 250.0    | 379.0    | 245.0    |
| CALCIUM, UNF REACTIVE<br>CAUR, MG/L as Ca (Calcium)<br>002CA1        | 85.2     | 50.4     | 92.2     | 57.2     | 113.0    | 52.2     |
| MAGNESIUM, UNF REACTIVE<br>MGUR, MG/L as Mg (Magnesium)<br>001CA1    | 28.70    | 28.50    | 34.00    | 25.90    | 23.70    | 27.80    |
| SODIUM, UNF REACT<br>NAUR, MG/L as Na (Sodium)<br>001EA1             | 17.2     | 8.2      | 10.0     | 9.2      | 30.6     | 7.2      |
| POTASSIUM, UNF REACT<br>KKUR, MG/L as K (Potassium)<br>002EA1        | 3.35     | 2.00     | 4.40     | 1.75     | 1.60     | 1.75     |
| ALKALINITY, TOTAL<br>ALKT, MG/L as CaCO3<br>004AT6                   | 200.8    | 227.5    | 235.2    | 210.9    | 229.0    | 233.1    |
| PH (-LOG(H+(CONCN)))<br>PH, DIMENSIONLESS<br>003AI2                  | 8.02     | 8.08     | 7.89     | 8.08     | 7.88     | 8.14     |
| CHLORIDE, UNF REACTIVE<br>CLIDUR, MG/L as Cl- Chloride<br>004BC2     | 16.00    | 7.70     | 9.90     | 13.70    | 51.90    | 5.90     |
| SULPHATE, UNF REACT<br>SS04UR, MG/L as SO4 Sulphate<br>003AI0        | 140.61   | 25.33    | 126.70   | 38.80    | 69.42    | 20.79    |
| NITR'N, TOTAL KJELD, UNF.R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2 | .20<T    | .05<T    | .25      | .05<T    | .10<T    | .15<T    |
| AMMONIUM, TOTL, FRAC.REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2  | .20<T    | .05<T    | .25      | .05<T    | <.05<W   | .10<T    |
| NITRATES, TOTL, FRAC.REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2  | <.05<W   | <.05<W   | <.05<W   | <.05<W   | 7.90     | <.05<W   |
| NITRITE, FRAC.REACT<br>NNO2FR, MG/L as N (Nitrogen)<br>102CC2        | <.005<W  | <.005<W  | .005<T   | <.005<W  | <.005<W  | <.005<W  |
| ION BALANCE CALCULATION<br>IONBL, %                                  | .9314    | .3832    | 4.543    | .4491    | .7272    | 2.05E-02 |
| TOTAL POSITIVE IONS<br>POS, MEO                                      | 7.461    | 5.271    | 7.964    | 5.434    | 8.961    | 5.257    |
| TOTAL NEGATIVE IONS<br>NEG, MEO                                      | 7.392    | 5.292    | 7.618    | 5.410    | 8.896    | 5.258    |
| EST. DISSOLVED SOLIDS<br>DISOL, MG/L                                 | 413.7    | 260.9    | 420.9    | 275.2    | 494.8    | 257.9    |
| ESTIMATED CONDUCTIVITY<br>CONDIT, UMHO/CM AT 25C                     | 809.8    | 517.7    | 827.9    | 548.9    | 969.1    | 510.6    |





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 25           | CODE NOT GIVEN    |                               | 13-0137     |         | 27/03/90      | 5         |
| 26           | CODE NOT GIVEN    |                               | D MS        |         | 27/03/90      | 5         |
| 27           | CODE NOT GIVEN    |                               | 13-0138     |         | 27/03/90      | 5         |
| 28           | CODE NOT GIVEN    |                               | S           |         | 27/03/90      | 5         |
| 29           | CODE NOT GIVEN    |                               | 13-0139     |         | 27/03/90      | 5         |
| 30           | CODE NOT GIVEN    |                               | S           |         | 27/03/90      | 5         |
|              |                   |                               | 13-0140     |         |               |           |
|              |                   |                               | MS          |         | 27/03/90      | 5         |
|              |                   |                               | 13-0141     |         |               |           |
|              |                   |                               | )           |         | 27/03/90      | 5         |
|              |                   |                               | 13-0142     |         |               |           |

| Field Sample Number...       | 25       | 26       | 27       | 28       | 29       | 30       |
|------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description             |          |          |          |          |          |          |
| Code, Units of Measure       | W13-0137 | W13-0138 | W13-0139 | W13-0140 | W13-0141 | W13-0142 |
| Method                       |          |          |          |          |          |          |
| CONDUCTIVITY 25C             | 505.     | 654.     | 770.     | 611.     | 488.     | 461.     |
| COND25,UMHO/CM at 25 D.CENT. |          |          |          |          |          |          |
| 002B12                       |          |          |          |          |          |          |
| HARDNESS, TOTAL              | 252.0    | 318.0    | 367.0    | 297.0    | 251.0    | 238.0    |
| HARDT, MG/L as CaCO3         |          |          |          |          |          |          |
| CALC01                       |          |          |          |          |          |          |
| CALCIUM, UNF REACTIVE        | 59.6     | 76.6     | 87.6     | 70.0     | 49.6     | 52.4     |
| CAUR, MG/L as Ca (Calcium)   |          |          |          |          |          |          |
| 002CA1                       |          |          |          |          |          |          |
| MAGNESIUM, UNF REACTIVE      | 25.20    | 30.70    | 36.00    | 29.80    | 30.90    | 26.10    |
| MGUR, MG/L as Mg Magnesium   |          |          |          |          |          |          |
| 001CA1                       |          |          |          |          |          |          |
| SODIUM, UNF REACT.           | 9.6      | 18.2     | 23.4     | 16.0     | 7.8      | 7.2      |
| NAUR, MG/L as Na (Sodium)    |          |          |          |          |          |          |
| 001EA1                       |          |          |          |          |          |          |
| POTASSIUM, UNF REACT.        | 1.85     | 2.30     | 3.10     | 2.20     | 3.40     | 1.60     |
| KKUR, MG/L as K (Potassium)  |          |          |          |          |          |          |
| 002EA1                       |          |          |          |          |          |          |
| ALKALINITY, TOTAL            | 211.8    | 204.5    | 190.8    | 200.1    | 232.3    | 215.9    |
| ALKT, MG/L as CaCO3          |          |          |          |          |          |          |
| 004AT6                       |          |          |          |          |          |          |
| PH (-LOG(H+(CONCN)))         | 8.05     | 8.11     | 8.01     | 8.20     | 8.06     | 8.05     |
| PH, DIMENSIONLESS            |          |          |          |          |          |          |
| 003AI2                       |          |          |          |          |          |          |
| CHLORIDE, UNF REACTIVE       | 15.10    | 18.50    | 27.90    | 16.90    | 7.70     | 8.20     |
| CLIDUR, MG/L as Cl- Chloride |          |          |          |          |          |          |
| 004BC2                       |          |          |          |          |          |          |
| SULPHATE, UNF REACT.         | 40.95    | 121.77   | 183.17   | 104.60   | 28.05    | 26.52    |
| SSO4UR, MG/L as SO4 Sulphate |          |          |          |          |          |          |
| 003AI0                       |          |          |          |          |          |          |
| NITR'N, TOTAL KJELD, UNF.R   | .10<T    | .25      | .20<T    | .05<T    | .05<T    | .10<T    |
| NNTKUR, MG/L as N (Nitrogen) |          |          |          |          |          |          |
| 004BC2                       |          |          |          |          |          |          |
| AMMONIUM, TOTL, FRAC REAC    | .05<T    | .25      | .20<T    | .05<T    | .05<T    | .10<T    |
| NNHTFR, MG/L as N (Nitrogen) |          |          |          |          |          |          |
| 103AC2                       |          |          |          |          |          |          |
| NITRATES, TOTL, FRAC REAC    | <.05<W   | <.05<W   | <.05<W   | <.05<W   | <.05<W   | <.05<W   |
| NNOTFR, MG/L as N (Nitrogen) |          |          |          |          |          |          |
| 102CC2                       |          |          |          |          |          |          |
| NITRITE, FRAC REACT          | <.005<W  | <.005<W  | <.005<W  | .005<T   | <.005<W  | <.005<W  |
| NNO2FR, MG/L as N (Nitrogen) |          |          |          |          |          |          |
| 102CC2                       |          |          |          |          |          |          |
| ION BALANCE CALCULATION      | 7.72E-02 | 1.009    | .3641    | .6969    | .4112    | .4894    |
| IONBL, %                     |          |          |          |          |          |          |
| TOTAL POSITIVE IONS          | 5.516    | 7.217    | 8.445    | 6.701    | 5.422    | 5.124    |
| POS, MEG                     |          |          |          |          |          |          |
| TOTAL NEGATIVE IONS          | 5.512    | 7.145    | 8.414    | 6.655    | 5.444    | 5.099    |
| NEG, MEG                     |          |          |          |          |          |          |
| EST. DISSOLVED SOLIDS        | 281.5    | 393.1    | 477.8    | 361.6    | 268.1    | 253.8    |
| DISOL, MG/L                  |          |          |          |          |          |          |
| ESTIMATED CONDUCTIVITY       | 560.5    | 774.6    | 938.4    | 714.9    | 532.8    | 505.2    |
| CONDY, UMHO/CM AT 25C        |          |          |          |          |          |          |





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time | Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|------|------|
| 31           | CODE NOT GIVEN    |                               |             |         | 27/03/90      |      | 5    |
| 32           | CODE NOT GIVEN    |                               |             |         | 27/03/90      |      | 5    |
| 33           | CODE NOT GIVEN    |                               |             |         | 27/03/90      |      | 5    |
| 34           | CODE NOT GIVEN    |                               |             |         | 27/03/90      |      | 5    |
| 35           | CODE NOT GIVEN    |                               |             |         | 27/03/90      |      | 5    |
| 36           | CODE NOT GIVEN    |                               |             |         | 27/03/90      |      | 5    |

| Field Sample Number...                                                | 31       | 32       | 33       | 34       | 35       | 36       |
|-----------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description                                                      |          |          |          |          |          |          |
| Code, Units of Measure                                                | W13-0143 | W13-0144 | W13-0145 | W13-0146 | W13-0147 | W13-0148 |
| Method                                                                |          |          |          |          |          |          |
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002B12            | 1360.    | 627.     | 458.     | 680.     | 529.     | 631.     |
| HARDNESS, TOTAL<br>HARDT, MG/L as CaCO3<br>CALCO1                     | 531.0    | 316.0    | 223.0    | 309.0    | 266.0    | 304.0    |
| CALCIUM, UNF. REACTIVE<br>CAUR, MG/L as Ca (Calcium)<br>002CA1        | 162.0    | 84.0     | 47.0     | 76.4     | 60.2     | 75.2     |
| MAGNESIUM, UNF. REACTIVE<br>MGUR, MG/L as Mg Magnesium<br>001CA1      | 30.90    | 25.90    | 25.50    | 28.60    | 28.10    | 28.20    |
| SODIUM, UNF. REACT.<br>NAUR, MG/L as Na (Sodium)<br>001EA1            | 78.0     | 12.2     | 12.4     | 27.6     | 10.2     | 16.8     |
| POTASSIUM, UNF. REACT.<br>KKUR, MG/L as K (Potassium)<br>002EA1       | 6.15     | 3.65     | 1.90     | 2.95     | 2.05     | 2.20     |
| ALKALINITY, TOTAL<br>ALKT, MG/L as CaCO3<br>004AT6                    | 331.8    | 207.0    | 190.4    | 215.9    | 233.6    | 207.4    |
| PH (-LOG(H+ (MOL/L)))<br>PH, DIMENSIONLESS<br>003AI2                  | 7.72     | 7.94     | 8.13     | 8.05     | 8.08     | 8.07     |
| CHLORIDE, UNF. REACTIVE<br>CLIDUR, MG/L as Cl- Chloride<br>004BC2     | 149.00   | 5.00     | 10.60    | 25.70    | 13.40    | 19.00    |
| SULPHATE, UNF. REACT.<br>SSO4UR, MG/L as SO4 Sulphate<br>003AI0       | 115.70   | 129.78   | 43.30    | 106.20   | 37.86    | 102.41   |
| NITR'N, TOTAL KJELD, UNF. R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2 | .15<T    | .20<T    | <.05<W   | <.05<W   | <.05<W   | .30      |
| AMMONIUM, TOTL, FRAC. REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2  | <.05<W   | .20<T    | .05<T    | .05<T    | .05<T    | .25      |
| NITRATES, TOTL, FRAC. REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2  | 11.40    | <.05<W   | .05<T    | .80      | <.05<W   | <.05<W   |
| NITRITE, FRAC. REACT.<br>NNO2FR, MG/L as N (Nitrogen)<br>102CC2       | <.005<W  | <.005<W  | <.005<W  | .020<T   | <.005<W  | <.005<W  |
| ION BALANCE CALCULATION<br>IONBL, %                                   | 1.059    | .2756    | .5008    | 1.873    | .3330    | 1.362    |
| TOTAL POSITIVE IONS<br>POS, MEQ                                       | 14.18    | 6.961    | 5.035    | 7.445    | 5.816    | 6.878    |
| TOTAL NEGATIVE IONS<br>NEG, MEQ                                       | 14.03    | 6.980    | 5.010    | 7.308    | 5.835    | 6.785    |
| EST. DISSOLVED SOLIDS<br>DISOL, MG/L                                  | 793.5    | 387.0    | 257.1    | 402.7    | 294.3    | 369.6    |
| ESTIMATED CONDUCTIVITY<br>CONDY, UMHO/CM AT 25C                       | 1516     | 750.9    | 512.2    | 788.7    | 583.2    | 729.3    |





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 37           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 38           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 39           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 40           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 41           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 42           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |

| Field Sample Number...<br>Test Description<br>Code, Units of Measure<br>Method | 37<br>W13-0149 | 38<br>W13-0150 | 39<br>W13-0151 | 40<br>W13-0152 | 41<br>W13-0153 | 42<br>W13-0154 |
|--------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002BI2                     | 616.           | 2910.          | 837.           | 762.           | 671.           | 836.           |
| HARDNESS, TOTAL<br>HARDT, MG/L as CaCO3<br>CALC01                              | 301.0          | 548.0          | 343.0          | 375.0          | 330.0          | 413.0          |
| CALCIUM, UNF. REACTIVE<br>CAUR, MG/L as Ca (Calcium)<br>002CA1                 | 75.2           | 159.0          | 90.4           | 119.0          | 81.4           | 105.0          |
| MAGNESIUM, UNF. REACTIVE<br>MGUR, MG/L as Mg Magnesium<br>001CA1               | 27.50          | 36.50          | 28.40          | 19.20          | 30.80          | 36.60          |
| SODIUM, UNF. REACT.<br>NAUR, MG/L as Na (Sodium)<br>001EA1                     | 12.8           | 384.0          | 49.8           | 20.0           | 15.6           | 21.4           |
| POTASSIUM, UNF. REACT.<br>KKUR, MG/L as K (Potassium)<br>002EA1                | 2.90           | 1.25           | 4.85           | .85            | 3.20           | 3.75           |
| ALKALINITY, TOTAL<br>ALKT, MG/L as CaCO3<br>004AT6                             | 193.2          | 283.3          | 208.7          | 278.7          | 211.6          | 196.6          |
| PH (-LOG(H+(CONCN)))<br>PH DIMENSIONLESS<br>003AI2                             | 8.02           | 7.78           | 7.96           | 7.93           | 8.00           | 8.02           |
| CHLORIDE, UNF. REACTIVE<br>CLIDUR, MG/L as Cl- Chloride<br>004BC2              | 15.00          | 738.00         | 30.00          | 33.00          | 15.60          | 22.90          |
| SULPHATE, UNF. REACT.<br>SSO4UR, MG/L as SO4 Sulphate<br>003AI0                | 108.64         | 39.08          | 191.00         | 66.36          | 129.54         | 220.81         |
| NITR'N, TOTAL KJELD, UNF. R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2          | .05<T          | .15<T          | .10<T          | .05<T          | .15<T          | .20<T          |
| AMMONIUM, TOTL, FRAC. REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2           | .05<T          | <.05<W         | .10<T          | <.05<W         | .15<T          | .20<T          |
| NITRATES, TOTL, FRAC. REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2           | <.05<W         | 2.90           | .05<T          | 5.10           | <.05<W         | <.05<W         |
| NITRITE, FRAC. REACT<br>NNO2FR, MG/L as N (Nitrogen)<br>102CC2                 | <.005<W        | .005<T         | .010<T         | .010<T         | .005<T         | .005<T         |
| ION BALANCE CALCULATION<br>IONBL, %                                            | 4.97E-02       | .6591          | 1.640          | 1.982          | 1.41E-02       | 1.301          |
| TOTAL POSITIVE IONS<br>POS, MEQ                                                | 6.650          | 27.67          | 9.145          | 8.410          | 7.367          | 9.292          |
| TOTAL NEGATIVE IONS<br>NEG, MEQ                                                | 6.647          | 27.49          | 8.998          | 8.246          | 7.366          | 9.173          |
| EST. DISSOLVED SOLIDS<br>DISCL, MG/L                                           | 362.9          | 1543           | 522.0          | 450.9          | 405.3          | 530.6          |
| ESTIMATED CONDUCTIVITY<br>CONDTY, UMHO/CM AT 25C                               | 715.0          | 2909.          | 1001.          | 863.1          | 794.7          | 1034.          |





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 43           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 44           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 45           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 46           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 47           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 48           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |

| Field Sample Number...                                                | 43       | 44       | 45       | 46       | 47       | 48       |
|-----------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description                                                      |          |          |          |          |          |          |
| Code, Units of Measure                                                | W13-0155 | W13-0156 | W13-0157 | W13-0158 | W13-0159 | W13-0160 |
| Method                                                                |          |          |          |          |          |          |
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002BI2            | 1085.    | 1390.    | 674.     | 1160.    | 636.     | 1740.    |
| HARDNESS, TOTAL<br>HARDT ,MG/L as CaCO3<br>CALC01                     | 281.0    | 485.0    | 341.0    | 566.0    | 304.0    | 491.0    |
| CALCIUM, UNF. REACTIVE<br>CAUR ,MG/L as Ca (Calcium)<br>002CA1        | 91.8     | 147.0    | 88.6     | 162.0    | 74.2     | 152.0    |
| MAGNESIUM, UNF. REACTIVE<br>MGUR ,MG/L as Mg Magnesium<br>001CA1      | 12.40    | 29.00    | 29.10    | 39.40    | 28.90    | 27.10    |
| SODIUM, UNF. REACT.<br>NAUR ,MG/L as Na (Sodium)<br>001EA1            | 113.0    | 101.0    | 10.8     | 31.2     | 14.6     | 153.0    |
| POTASSIUM, UNF. REACT.<br>KKUR ,MG/L as K (Potassium)<br>002EA1       | 1.40     | 3.15     | 2.95     | 6.25     | 2.65     | 12.80    |
| ALKALINITY, TOTAL<br>ALKT ,MG/L as CaCO3<br>004AT6                    | 204.9    | 334.6    | 203.9    | 417.1    | 205.0    | 300.5    |
| PH (-LOG(H+(CONCN)))<br>PH ,DIMENSIONLESS<br>003AI2                   | 7.98     | 7.79     | 8.01     | 7.55     | 8.08     | 7.81     |
| CHLORIDE, UNF. REACTIVE<br>CLIDUR, MG/L as Cl- Chloride<br>004BC2     | 181.00   | 215.00   | 15.80    | 60.00    | 20.50    | 307.00   |
| SULPHATE, UNF. REACT.<br>SS04UR, MG/L as SO4 Sulphate<br>003AI0       | 37.19    | 66.92    | 136.92   | 82.53    | 103.16   | 62.26    |
| NITR'N, TOTAL KJELD, UNF. R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2 | .10<T    | .10<T    | .10<T    | .40      | .10<T    | .05<T    |
| AMMONIUM, TOTL, FRAC. REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2  | <.05<W   | <.05<W   | .10<T    | <.05<W   | .10<T    | <.05<W   |
| NITRATES, TOTL, FRAC. REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2  | 8.50     | .50      | <.05<W   | 16.10    | <.05<W   | 16.90    |
| NITRITE, FRAC. REACT.<br>NNO2FR, MG/L as N (Nitrogen)<br>102CC2       | <.005<W  | <.005<W  | .005<W   | <.005<W  | <.005<W  | .205     |
| ION BALANCE CALCULATION<br>IONBL ,%                                   | .2804    | .1089    | 5.13E-02 | .4061    | .4860    | 2.204    |
| TOTAL POSITIVE IONS<br>POS ,MEQ                                       | 10.55    | 14.20    | 7.368    | 12.84    | 6.791    | 16.80    |
| TOTAL NEGATIVE IONS<br>NEG ,MEQ                                       | 10.58    | 14.18    | 7.372    | 12.90    | 6.824    | 17.17    |
| EST. DISSOLVED SOLIDS<br>DISOL ,MG/L                                  | 599.3    | 768.3    | 408.6    | 706.9    | 369.1    | 972.2    |
| ESTIMATED CONDUCTIVITY<br>CONDTY, UMHO/CM AT 25C                      | 1155.    | 1510     | 802.0    | 1316.    | 729.5    | 1849.    |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |



| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 49           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 50           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 51           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 52           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 53           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 54           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |

| Field Sample Number...                                            | 49       | 50       | 51       | 52       | 53       | 54       |
|-------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description                                                  |          |          |          |          |          |          |
| Code, Units of Measure                                            | W13-0161 | W13-0162 | W13-0163 | W13-0164 | W13-0165 | W13-0166 |
| Method                                                            |          |          |          |          |          |          |
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002BI2        | 405.     | 449.     | 406.     | 1064.    | 415.     | 381.     |
| HARDNESS, TOTAL<br>HARDT ,MG/L as CaCO3<br>CALC01                 | 194.0    | 223.0    | 204.0    | 298.0    | 197.0    | 190.0    |
| CALCIUM, UNF.REACTIVE<br>CAUR ,MG/L as Ca (Calcium)<br>002CA1     | 40.0     | 52.8     | 45.8     | 98.8     | 41.4     | 45.6     |
| MAGNESIUM, UNF.REACTIVE<br>MGUR ,MG/L as Mg Magnesium<br>001CA1   | 22.80    | 22.20    | 21.70    | 12.60    | 22.80    | 18.40    |
| SODIUM, UNF.REACT.<br>NAUR ,MG/L as Na (Sodium)<br>001EA1         | 9.6      | 7.0      | 8.2      | 114.0    | 8.8      | 6.6      |
| POTASSIUM, UNF.REACT.<br>KKUR ,MG/L as K (Potassium)<br>002EA1    | 2.60     | 1.70     | 2.75     | 1.60     | 3.30     | 1.55     |
| ALKALINITY, TOTAL<br>ALKT ,MG/L as CaCO3<br>004AT6                | 196.9    | 202.6    | 191.2    | 305.8    | 194.5    | 179.3    |
| PH (-LOG(H+(CONCN)))<br>PH ,DIMENSIONLESS<br>003AI2               | 8.21     | 8.18     | 8.20     | 7.94     | 8.18     | 8.23     |
| CHLORIDE, UNF.REACTIVE<br>CLIDUR,MG/L as Cl- Chloride<br>004BC2   | 5.40     | 7.80     | 4.00     | 120.00   | 6.50     | 2.50     |
| SULPHATE, UNF.REACT.<br>SS04UR,MG/L as SO4 Sulphate<br>003AI0     | 18.53    | 33.94    | 26.21    | 47.57    | 23.62    | 26.53    |
| NITR'N,TOTAL KJELD,UNF.R<br>NNTKUR,MG/L as N (Nitrogen)<br>004BC2 | .10<T    | .05<T    | .15<T    | .10<T    | .10<T    | .05<T    |
| AMMONIUM,TOTL, FRAC.REAC<br>NNHTFR,MG/L as N (Nitrogen)<br>103AC2 | .10<T    | .05<T    | .15<T    | <.05<W   | .10<T    | .05<T    |
| NITRATES,TOTL, FRAC.REAC<br>NNOTFR,MG/L as N (Nitrogen)<br>102CC2 | <.05<W   | <.05<W   | <.05<W   | 8.40     | <.05<W   | <.05<W   |
| NITRITE, FRAC.REACT<br>NNOCFR,MG/L as N (Nitrogen)<br>102CC2      | <.005<W  | .005<T   | .005<T   | <.005<W  | <.005<W  | .005<T   |
| ION BALANCE CALCULATION<br>IONBL ,%                               | 2.541    | 3.398    | .6262    | 1.092    | 3.325    | 2.126    |
| TOTAL POSITIVE IONS<br>POS ,MEQ                                   | 4.363    | 4.813    | 4.509    | 10.97    | 4.416    | 4.120    |
| TOTAL NEGATIVE IONS<br>NEG ,MEQ                                   | 4.474    | 4.977    | 4.481    | 11.09    | 4.563    | 4.207    |
| EST. DISSOLVED SOLIDS<br>DISOL ,MG/L                              | 219.1    | 249.0    | 225.4    | 618.2    | 225.1    | 210.6    |
| ESTIMATED CONDUCTIVITY<br>CONDY,UMHO/CM AT 25C                    | 432.4    | 491.4    | 446.4    | 1149.    | 444.5    | 414.8    |





| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 55           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 56           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 57           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 58           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 59           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 60           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |

| Field Sample Number                                                   | 55       | 56       | 57       | 58       | 59       | 60       |
|-----------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description                                                      |          |          |          |          |          |          |
| Code, Units of Measure                                                | W13-0167 | W13-0168 | W13-0169 | W13-0170 | W13-0171 | W13-0172 |
| Method                                                                |          |          |          |          |          |          |
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002BI2            | 2150.    | 578.     | 793.     | 589.     | 870.     | 507.     |
| HARDNESS, TOTAL<br>HARDT, MG/L as CaCO3<br>CALC01                     | 564.0    | 303.0    | 406.0    | 298.0    | 435.0    | 252.0    |
| CALCIUM, UNF. REACTIVE<br>CAUR, MG/L as Ca (Calcium)<br>002CA1        | 187.0    | 73.0     | 137.0    | 77.6     | 139.0    | 62.6     |
| MAGNESIUM, UNF. REACTIVE<br>MGUR, MG/L as Mg Magnesium<br>001CA1      | 23.50    | 29.30    | 15.50    | 25.30    | 21.10    | 23.30    |
| SODIUM, UNF. REACT.<br>NAUR, MG/L as Na (Sodium)<br>001EA1            | 227.0    | 7.0      | 6.0      | 8.6      | 16.6     | 8.6      |
| POTASSIUM, UNF. REACT.<br>KKUR, MG/L as K (Potassium)<br>002EA1       | 1.25     | 3.15     | 2.25     | 1.80     | .75      | 1.30     |
| ALKALINITY, TOTAL<br>ALKT, MG/L as CaCO3<br>004AT6                    | 397.6    | 278.6    | 270.2    | 195.8    | 273.4    | 195.6    |
| PH (-LOG(H+(CONCN)))<br>PH, DIMENSIONLESS<br>003AI2                   | 7.83     | 8.01     | 7.88     | 8.12     | 8.06     | 8.19     |
| CHLORIDE, UNF. REACTIVE<br>CLIDUR, MG/L as Cl- Chloride<br>004BC2     | 409.00   | 9.20     | 20.10    | 11.50    | 30.20    | 11.20    |
| SULPHATE, UNF. REACT.<br>SSO4UR, MG/L as SO4 Sulphate<br>003AI0       | 46.98    | 31.12    | 67.85    | 102.31   | 64.48    | 65.15    |
| NITR'N, TOTAL KJELD, UNF. R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2 | .05<T    | .35      | .20<T    | .05<T    | <.05<W   | <.05<W   |
| AMMONIUM, TOTL, FRAC. REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2  | <.05<W   | .20<T    | <.05<W   | .05<T    | <.05<W   | .05<T    |
| NITRATES, TOTL, FRAC. REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2  | 12.70    | <.05<W   | 16.90    | <.05<W   | 23.10    | <.05<W   |
| NITRITE, UNF. REACT.<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2        | <.005<W  | <.005<W  | .015<T   | .005<T   | .010<T   | .005<T   |
| ION BALANCE CALCULATION<br>IONBL, %                                   | .9250    | .3480    | 1.848    | .1477    | 1.136    | 2.394    |
| TOTAL POSITIVE IONS<br>POS, MEG                                       | 21.17    | 6.453    | 8.430    | 6.378    | 9.414    | 5.452    |
| TOTAL NEGATIVE IONS<br>NEG, MEG                                       | 21.37    | 6.475    | 8.586    | 6.368    | 9.308    | 5.582    |
| EST. DISSOLVED SOLIDS<br>DISOL, MG/L                                  | 1193.    | 322.9    | 488.2    | 346.6    | 541.1    | 291.5    |
| ESTIMATED CONDUCTIVITY<br>CONDTY, UMHO/CM AT 25C                      | 2241.    | 631.9    | 894.3    | 682.9    | 988.7    | 575.7    |

| DATE    | DESCRIPTION | AMOUNT | CHECK NO. | BANK  | MEMO |
|---------|-------------|--------|-----------|-------|------|
| 10/1/77 | DEPOSIT     | 100.00 |           | CHASE |      |
| 10/2/77 | DEPOSIT     | 200.00 |           | CHASE |      |
| 10/3/77 | DEPOSIT     | 300.00 |           | CHASE |      |
| 10/4/77 | DEPOSIT     | 400.00 |           | CHASE |      |
| 10/5/77 | DEPOSIT     | 500.00 |           | CHASE |      |
| 10/6/77 | DEPOSIT     | 600.00 |           | CHASE |      |

| DATE     | DESCRIPTION | AMOUNT  | CHECK NO. | BANK  | MEMO |
|----------|-------------|---------|-----------|-------|------|
| 10/7/77  | DEPOSIT     | 700.00  |           | CHASE |      |
| 10/8/77  | DEPOSIT     | 800.00  |           | CHASE |      |
| 10/9/77  | DEPOSIT     | 900.00  |           | CHASE |      |
| 10/10/77 | DEPOSIT     | 1000.00 |           | CHASE |      |
| 10/11/77 | DEPOSIT     | 1100.00 |           | CHASE |      |
| 10/12/77 | DEPOSIT     | 1200.00 |           | CHASE |      |
| 10/13/77 | DEPOSIT     | 1300.00 |           | CHASE |      |
| 10/14/77 | DEPOSIT     | 1400.00 |           | CHASE |      |
| 10/15/77 | DEPOSIT     | 1500.00 |           | CHASE |      |
| 10/16/77 | DEPOSIT     | 1600.00 |           | CHASE |      |
| 10/17/77 | DEPOSIT     | 1700.00 |           | CHASE |      |
| 10/18/77 | DEPOSIT     | 1800.00 |           | CHASE |      |
| 10/19/77 | DEPOSIT     | 1900.00 |           | CHASE |      |
| 10/20/77 | DEPOSIT     | 2000.00 |           | CHASE |      |
| 10/21/77 | DEPOSIT     | 2100.00 |           | CHASE |      |
| 10/22/77 | DEPOSIT     | 2200.00 |           | CHASE |      |
| 10/23/77 | DEPOSIT     | 2300.00 |           | CHASE |      |
| 10/24/77 | DEPOSIT     | 2400.00 |           | CHASE |      |
| 10/25/77 | DEPOSIT     | 2500.00 |           | CHASE |      |
| 10/26/77 | DEPOSIT     | 2600.00 |           | CHASE |      |
| 10/27/77 | DEPOSIT     | 2700.00 |           | CHASE |      |
| 10/28/77 | DEPOSIT     | 2800.00 |           | CHASE |      |
| 10/29/77 | DEPOSIT     | 2900.00 |           | CHASE |      |
| 10/30/77 | DEPOSIT     | 3000.00 |           | CHASE |      |
| 10/31/77 | DEPOSIT     | 3100.00 |           | CHASE |      |
| 11/1/77  | DEPOSIT     | 3200.00 |           | CHASE |      |
| 11/2/77  | DEPOSIT     | 3300.00 |           | CHASE |      |
| 11/3/77  | DEPOSIT     | 3400.00 |           | CHASE |      |
| 11/4/77  | DEPOSIT     | 3500.00 |           | CHASE |      |
| 11/5/77  | DEPOSIT     | 3600.00 |           | CHASE |      |
| 11/6/77  | DEPOSIT     | 3700.00 |           | CHASE |      |
| 11/7/77  | DEPOSIT     | 3800.00 |           | CHASE |      |
| 11/8/77  | DEPOSIT     | 3900.00 |           | CHASE |      |
| 11/9/77  | DEPOSIT     | 4000.00 |           | CHASE |      |
| 11/10/77 | DEPOSIT     | 4100.00 |           | CHASE |      |
| 11/11/77 | DEPOSIT     | 4200.00 |           | CHASE |      |
| 11/12/77 | DEPOSIT     | 4300.00 |           | CHASE |      |
| 11/13/77 | DEPOSIT     | 4400.00 |           | CHASE |      |
| 11/14/77 | DEPOSIT     | 4500.00 |           | CHASE |      |
| 11/15/77 | DEPOSIT     | 4600.00 |           | CHASE |      |
| 11/16/77 | DEPOSIT     | 4700.00 |           | CHASE |      |
| 11/17/77 | DEPOSIT     | 4800.00 |           | CHASE |      |
| 11/18/77 | DEPOSIT     | 4900.00 |           | CHASE |      |
| 11/19/77 | DEPOSIT     | 5000.00 |           | CHASE |      |
| 11/20/77 | DEPOSIT     | 5100.00 |           | CHASE |      |
| 11/21/77 | DEPOSIT     | 5200.00 |           | CHASE |      |
| 11/22/77 | DEPOSIT     | 5300.00 |           | CHASE |      |
| 11/23/77 | DEPOSIT     | 5400.00 |           | CHASE |      |
| 11/24/77 | DEPOSIT     | 5500.00 |           | CHASE |      |
| 11/25/77 | DEPOSIT     | 5600.00 |           | CHASE |      |
| 11/26/77 | DEPOSIT     | 5700.00 |           | CHASE |      |
| 11/27/77 | DEPOSIT     | 5800.00 |           | CHASE |      |
| 11/28/77 | DEPOSIT     | 5900.00 |           | CHASE |      |
| 11/29/77 | DEPOSIT     | 6000.00 |           | CHASE |      |
| 11/30/77 | DEPOSIT     | 6100.00 |           | CHASE |      |
| 12/1/77  | DEPOSIT     | 6200.00 |           | CHASE |      |
| 12/2/77  | DEPOSIT     | 6300.00 |           | CHASE |      |
| 12/3/77  | DEPOSIT     | 6400.00 |           | CHASE |      |
| 12/4/77  | DEPOSIT     | 6500.00 |           | CHASE |      |
| 12/5/77  | DEPOSIT     | 6600.00 |           | CHASE |      |
| 12/6/77  | DEPOSIT     | 6700.00 |           | CHASE |      |
| 12/7/77  | DEPOSIT     | 6800.00 |           | CHASE |      |
| 12/8/77  | DEPOSIT     | 6900.00 |           | CHASE |      |
| 12/9/77  | DEPOSIT     | 7000.00 |           | CHASE |      |
| 12/10/77 | DEPOSIT     | 7100.00 |           | CHASE |      |
| 12/11/77 | DEPOSIT     | 7200.00 |           | CHASE |      |
| 12/12/77 | DEPOSIT     | 7300.00 |           | CHASE |      |
| 12/13/77 | DEPOSIT     | 7400.00 |           | CHASE |      |
| 12/14/77 | DEPOSIT     | 7500.00 |           | CHASE |      |
| 12/15/77 | DEPOSIT     | 7600.00 |           | CHASE |      |
| 12/16/77 | DEPOSIT     | 7700.00 |           | CHASE |      |
| 12/17/77 | DEPOSIT     | 7800.00 |           | CHASE |      |
| 12/18/77 | DEPOSIT     | 7900.00 |           | CHASE |      |
| 12/19/77 | DEPOSIT     | 8000.00 |           | CHASE |      |
| 12/20/77 | DEPOSIT     | 8100.00 |           | CHASE |      |
| 12/21/77 | DEPOSIT     | 8200.00 |           | CHASE |      |
| 12/22/77 | DEPOSIT     | 8300.00 |           | CHASE |      |
| 12/23/77 | DEPOSIT     | 8400.00 |           | CHASE |      |
| 12/24/77 | DEPOSIT     | 8500.00 |           | CHASE |      |
| 12/25/77 | DEPOSIT     | 8600.00 |           | CHASE |      |
| 12/26/77 | DEPOSIT     | 8700.00 |           | CHASE |      |
| 12/27/77 | DEPOSIT     | 8800.00 |           | CHASE |      |
| 12/28/77 | DEPOSIT     | 8900.00 |           | CHASE |      |
| 12/29/77 | DEPOSIT     | 9000.00 |           | CHASE |      |
| 12/30/77 | DEPOSIT     | 9100.00 |           | CHASE |      |
| 12/31/77 | DEPOSIT     | 9200.00 |           | CHASE |      |



| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 61           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 62           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 63           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 64           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 65           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |
| 66           | CODE NOT GIVEN    |                               |             |         | 27/03/90      | 5         |

| Field Sample Number...                                            | 61       | 62       | 63       | 64       | 65       | 66       |
|-------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|
| Test Description                                                  |          |          |          |          |          |          |
| Code, Units of Measure                                            | W13-0173 | W13-0174 | W13-0175 | W13-0176 | W13-0177 | W13-0178 |
| Method                                                            |          |          |          |          |          |          |
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002BI2        | 477.     | 377.     | 710.     | 480.     | 506.     | 699.     |
| HARDNESS, TOTAL<br>HARDT ,MG/L as CaCO3<br>CALCO1                 | 254.0    | 165.0    | 349.0    | 242.0    | 253.0    | 346.0    |
| CALCIUM, UNF.REACTIVE<br>CAUR ,MG/L as Ca (Calcium)<br>002CA1     | 65.6     | 32.0     | 85.4     | 52.2     | 55.6     | 90.2     |
| MAGNESIUM, UNF.REACTIVE<br>MGUR ,MG/L as Mg Magnesium<br>001CA1   | 22.00    | 20.70    | 32.90    | 27.10    | 27.80    | 29.20    |
| SODIUM, UNF.REACT.<br>NAUR ,MG/L as Na (Sodium)<br>001EA1         | 5.4      | 14.2     | 15.6     | 9.0      | 9.8      | 17.4     |
| POTASSIUM, UNF.REACT.<br>KKUR ,MG/L as K (Potassium)<br>002EA1    | 1.15     | 4.85     | 4.35     | 2.30     | 2.00     | 3.45     |
| ALKALINITY, TOTAL<br>ALKT ,MG/L as CaCO3<br>004AT6                | 215.6    | 176.0    | 209.8    | 217.7    | 219.5    | 205.1    |
| PH (-LOG(H+(CONCN)))<br>PH ,DIMENSIONLESS<br>003AI2               | 8.20     | 8.34     | 8.11     | 8.19     | 8.18     | 8.19     |
| CHLORIDE, UNF.REACTIVE<br>CLIDUR,MG/L as Cl- Chloride<br>004BC2   | 7.30     | 10.10    | 22.00    | 10.00    | 15.40    | 15.80    |
| SULPHATE, UNF.REACT.<br>SSO4UR,MG/L as SO4 Sulphate<br>003AI0     | 37.85    | 14.52    | 139.59   | 31.69    | 34.17    | 147.17   |
| NITR'N,TOTAL KJELD,UNF.R<br>NNTKUR,MG/L as N (Nitrogen)<br>004BC2 | <.05<W   | .40      | .20<T    | .05<T    | <.05<W   | .20<T    |
| AMMONIUM,TOTL, FRAC.REAC<br>NNHTFR,MG/L as N (Nitrogen)<br>103AC2 | .05<T    | <.05<W   | .20<T    | .05<T    | .05<T    | .20<T    |
| NITRATES,TOTL, FRAC.REAC<br>NNOTFR,MG/L as N (Nitrogen)<br>102CC2 | <.05<W   | <.05<W   | <.05<W   | <.05<W   | <.05<W   | <.05<W   |
| NITRITE, FRAC.REACT.<br>NNOTFR,MG/L as N (Nitrogen)<br>102CC2     | <.005<W  | .005<T   | .005<T   | <.005<W  | <.005<W  | <.005<W  |
| ION BALANCE CALCULATION<br>IONBL ,%                               | .9033    | 1.593    | .6778    | 9.31E-02 | .1731    | 2.016    |
| TOTAL POSITIVE IONS<br>POS ,MEQ                                   | 5.352    | 4.042    | 7.773    | 5.289    | 5.543    | 7.763    |
| TOTAL NEGATIVE IONS<br>NEG ,MEQ                                   | 5.304    | 4.106    | 7.720    | 5.294    | 5.533    | 7.610    |
| EST. DISSOLVED SOLIDS<br>DISOL ,MG/L                              | 270.8    | 203.7    | 428.0    | 265.1    | 278.7    | 428.5    |
| ESTIMATED CONDUCTIVITY<br>CONDY,UMHO/CM AT 25C                    | 535.4    | 402.8    | 843.1    | 526.9    | 556.5    | 838.3    |





| Sample | Sampling Location | Sample Description | Sample# | Remarks | Date     | Time | Zone |
|--------|-------------------|--------------------|---------|---------|----------|------|------|
| 67     | CODE NOT GIVEN    |                    |         |         | 02/04/90 |      | 5    |
| 68     | CODE NOT GIVEN    |                    |         |         | 02/04/90 |      | 5    |
| 70     | CODE NOT GIVEN    |                    |         |         | 02/04/90 |      | 5    |
| 72     | CODE NOT GIVEN    |                    |         |         | 02/04/90 |      | 5    |

| Field Sample Number...       | 67       | 68       | 70       | 72       |
|------------------------------|----------|----------|----------|----------|
| Test Description             |          |          |          |          |
| Code, Units of Measure       | W14-0088 | W14-0089 | W14-0090 | W14-0091 |
| Method                       |          |          |          |          |
| CONDUCTIVITY 25C             | 470.     | 462.     | 1162.    | 1014.    |
| COND25,UMHO/CM at 25 D.CENT. |          |          |          |          |
| 002B12                       |          |          |          |          |
| HARDNESS, TOTAL              | 256.0    | 248.0    | 452.0    | 355.0    |
| HARDT, MG/L as CaCO3         |          |          |          |          |
| CALC01                       |          |          |          |          |
| CALCIUM, UNF. REACTIVE       | 63.4     | 61.2     | 137.0    | 104.0    |
| CAUR, MG/L as Ca (Calcium)   |          |          |          |          |
| 002CA1                       |          |          |          |          |
| MAGNESIUM, UNF. REACTIVE     | 23.80    | 23.00    | 26.40    | 23.00    |
| MGUR, MG/L as Mg Magnesium   |          |          |          |          |
| 001CA1                       |          |          |          |          |
| SODIUM, UNF. REACT.          | 6.8      | 7.8      | 63.2     | 54.4     |
| NAUR, MG/L as Na (Sodium)    |          |          |          |          |
| 001EA1                       |          |          |          |          |
| POTASSIUM, UNF. REACT.       | 1.50     | 1.35     | 7.30     | 11.30    |
| KKUR, MG/L as K (Potassium)  |          |          |          |          |
| 002EA1                       |          |          |          |          |
| ALKALINITY TOTAL             | 202.5    | 202.6    | 286.2    | 277.2    |
| ALKT, MG/L as CaCO3          |          |          |          |          |
| 004AT6                       |          |          |          |          |
| PH (-LOG(H+ (CONC)))         | 8.11     | 8.04     | 7.70     | 7.76     |
| PH, DIMENSIONLESS            |          |          |          |          |
| 003AI2                       |          |          |          |          |
| CHLORIDE, UNF. REACTIVE      | 9.70     | 8.90     | 110.00   | 112.00   |
| CLIDUR, MG/L as Cl- Chloride |          |          |          |          |
| 004EC2                       |          |          |          |          |
| SULPHATE, UNF. REACT         | 40.55    | 35.46    | 70.95    | 36.47    |
| S04UR, MG/L as S04 Sulphate  |          |          |          |          |
| 003AI0                       |          |          |          |          |
| NITR'N, TOTAL KJELD, UNF. R  | .25      | .25      | 30       | .25      |
| NNTKUR, MG/L as N (Nitrogen) |          |          |          |          |
| 004BC2                       |          |          |          |          |
| AMMONIUM, TOTL, FRAC REAC    | .15<T    | .10<T    | < .05<W  | < .05<W  |
| NNHTFR, MG/L as N (Nitrogen) |          |          |          |          |
| 103AC2                       |          |          |          |          |
| NITRATES, TOTL, FRAC REAC    | .05<T    | < .05<W  | 19.40    | 9.00     |
| NNOTFR, MG/L as N (Nitrogen) |          |          |          |          |
| 103CC2                       |          |          |          |          |
| NITRITE, FRAC REAC           | < .005<W | < .005<W | < .005<W | < .005<W |
| NNO2FR, MG/L as N (Nitrogen) |          |          |          |          |
| 102CC2                       |          |          |          |          |
| ION BALANCE CALCULATION      | 5.761    | 5.728    | 2.226    | 3.729    |
| IONBL, %                     |          |          |          |          |
| TOTAL POSITIVE IONS          | 5.467    | 5.327    | 11.94    | 9.739    |
| POS, MEG                     |          |          |          |          |
| TOTAL NEGATIVE IONS          | 5.169    | 5.039    | 11.68    | 10.10    |
| NEG, MEG                     |          |          |          |          |
| EST. DISSOLVED SOLIDS        | 269.6    | 261.4    | 675.2    | 550.0    |
| DISOL, MG/L                  |          |          |          |          |
| ESTIMATED CONDUCTIVITY       | 540.4    | 522.9    | 1272     | 1057.    |
| CONDTY,UMHO/CM AT 25C        |          |          |          |          |

1. 20-10-10  
 2. 20-10-10  
 3. 20-10-10  
 4. 20-10-10

| 20-10-10     | 20-10-10     | 20-10-10     | 20-10-10     | 20-10-10      |
|--------------|--------------|--------------|--------------|---------------|
| 1. 20-10-10  | 2. 20-10-10  | 3. 20-10-10  | 4. 20-10-10  | 5. 20-10-10   |
| 6. 20-10-10  | 7. 20-10-10  | 8. 20-10-10  | 9. 20-10-10  | 10. 20-10-10  |
| 11. 20-10-10 | 12. 20-10-10 | 13. 20-10-10 | 14. 20-10-10 | 15. 20-10-10  |
| 16. 20-10-10 | 17. 20-10-10 | 18. 20-10-10 | 19. 20-10-10 | 20. 20-10-10  |
| 21. 20-10-10 | 22. 20-10-10 | 23. 20-10-10 | 24. 20-10-10 | 25. 20-10-10  |
| 26. 20-10-10 | 27. 20-10-10 | 28. 20-10-10 | 29. 20-10-10 | 30. 20-10-10  |
| 31. 20-10-10 | 32. 20-10-10 | 33. 20-10-10 | 34. 20-10-10 | 35. 20-10-10  |
| 36. 20-10-10 | 37. 20-10-10 | 38. 20-10-10 | 39. 20-10-10 | 40. 20-10-10  |
| 41. 20-10-10 | 42. 20-10-10 | 43. 20-10-10 | 44. 20-10-10 | 45. 20-10-10  |
| 46. 20-10-10 | 47. 20-10-10 | 48. 20-10-10 | 49. 20-10-10 | 50. 20-10-10  |
| 51. 20-10-10 | 52. 20-10-10 | 53. 20-10-10 | 54. 20-10-10 | 55. 20-10-10  |
| 56. 20-10-10 | 57. 20-10-10 | 58. 20-10-10 | 59. 20-10-10 | 60. 20-10-10  |
| 61. 20-10-10 | 62. 20-10-10 | 63. 20-10-10 | 64. 20-10-10 | 65. 20-10-10  |
| 66. 20-10-10 | 67. 20-10-10 | 68. 20-10-10 | 69. 20-10-10 | 70. 20-10-10  |
| 71. 20-10-10 | 72. 20-10-10 | 73. 20-10-10 | 74. 20-10-10 | 75. 20-10-10  |
| 76. 20-10-10 | 77. 20-10-10 | 78. 20-10-10 | 79. 20-10-10 | 80. 20-10-10  |
| 81. 20-10-10 | 82. 20-10-10 | 83. 20-10-10 | 84. 20-10-10 | 85. 20-10-10  |
| 86. 20-10-10 | 87. 20-10-10 | 88. 20-10-10 | 89. 20-10-10 | 90. 20-10-10  |
| 91. 20-10-10 | 92. 20-10-10 | 93. 20-10-10 | 94. 20-10-10 | 95. 20-10-10  |
| 96. 20-10-10 | 97. 20-10-10 | 98. 20-10-10 | 99. 20-10-10 | 100. 20-10-10 |



Sample Class W

## Results

WATER (GRND/DOMESTIC) WQ

Inquiries at: JENIFER McBRIDE  
Telephone: 416-235-5875

| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time | Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|------|------|
| 1            | CODE NOT GIVEN    |                               |             |         | 13/05/88      |      | 5    |
| 2            | CODE NOT GIVEN    |                               |             |         | 13/05/88      |      | 5    |
| 3            | CODE NOT GIVEN    |                               |             |         | 13/05/88      |      | 5    |
| 4            | CODE NOT GIVEN    |                               |             |         | 13/05/88      |      | 5    |
| 5            | CODE NOT GIVEN    |                               |             |         | 13/05/88      |      | 5    |
| 6            | CODE NOT GIVEN    |                               |             |         | 13/05/88      |      | 5    |

| Field Sample Number...<br>Test Description<br>Code, Units of Measure<br>Method | 1<br>W21-0001 | Well 59<br>W21-0002 | 3<br>W21-0003 | 4<br>W21-0004 | 5<br>W21-0005 | 6<br>W21-0006 |
|--------------------------------------------------------------------------------|---------------|---------------------|---------------|---------------|---------------|---------------|
| CONDUCTIVITY 25C<br>COND25,UMHO/CM at 25 D.CENT.<br>002BI2                     | 622.          | 761.                | 1320.         | 913.          | 553.          | 840.          |
| HARDNESS, TOTAL<br>HARDT, MG/L as CaCO3<br>CALCO1                              | 288.0         | 389.0               | 395.0         | 429.0         | 261.0         | 365.0         |
| CALCIUM, UNF REACTIVE<br>CAUR, MG/L as Ca (Calcium)<br>002CA1                  | 88.4          | 125.0               | 125.0         | 114.0         | 85.0          | 119.0         |
| MAGNESIUM, UNF REACTIVE<br>MGUR, MG/L as Mg (Magnesium)<br>001CA1              | 16.30         | 18.50               | 20.40         | 34.90         | 11.90         | 16.40         |
| SODIUM, UNF REACT<br>NAUR, MG/L as Na (Sodium)<br>001EA1                       | 17.0          | 6.8                 | 116.0         | 26.8          | 9.8           | 31.0          |
| POTASSIUM, UNF REACT<br>KKUR, MG/L as K (Potassium)<br>002EA1                  | 1.30          | .55                 | 1.55          | 1.30          | .70           | 2.10          |
| ALKALINITY, TOTAL<br>ALKT, MG/L as CaCO3<br>004AT6                             | 236.0         | 278.6               | 264.9         | 226.2         | 220.0         | 260.7         |
| PH (-LOG(H+(CONCN)))<br>PH, DIMENSIONLESS<br>003AI2                            | 8.19          | 8.18                | 8.05          | 8.21          | 8.25          | 8.08          |
| CHLORIDE, UNF REACTIVE<br>IDUR, MG/L as Cl- Chloride<br>004BC2                 | 28.30         | 22.80               | 218.00        | 62.60         | 13.70         | 28.60         |
| SULPHATE, UNF REACT.<br>SSO4UR, MG/L as SO4 Sulphate<br>003AI0                 | 34.80         | 57.00               | 34.60         | 168.40        | 26.80         | 54.80         |
| NITR'N, TOTAL KJELD, UNF. R<br>NNTKUR, MG/L as N (Nitrogen)<br>004BC2          | .10<T         | .10<T               | .10<T         | .20<T         | .10<T         | (.05<W        |
| AMMONIUM, TOTL, FRAC. REAC<br>NNHTFR, MG/L as N (Nitrogen)<br>103AC2           | (.05<W        | (.05<W              | (.05<W        | .05<T         | (.05<W        | (.05<W        |
| NITRATES, TOTL, FRAC. REAC<br>NNOTFR, MG/L as N (Nitrogen)<br>102CC2           | 6.50          | 12.90               | 8.10          | .10<T         | 8.50          | 24.00         |
| NITRITE, FRAC REACT.<br>NNO2FR, MG/L as N (Nitrogen)<br>102CC2                 | (.005<W       | (.005<W             | (.005<W       | (.005<W       | (.005<W       | (.005<W       |
| ION BALANCE CALCULATION<br>IONBL, %                                            | 2.744         | 3.095               | 2.036         | .3863         | 5.017         | 2.093         |
| TOTAL POSITIVE IONS<br>POS, MEQ                                                | 6.525         | 8.070               | 13.00         | 9.763         | 5.665         | 8.690         |
| TOTAL NEGATIVE IONS<br>NEG, MEQ                                                | 6.704         | 8.319               | 12.74         | 9.801         | 5.949         | 8.872         |
| EST. DISSOLVED SOLIDS<br>DISOL, MG/L                                           | 358.8         | 457.6               | 712.9         | 546.4         | 319.7         | 517.1         |
| ESTIMATED CONDUCTIVITY<br>CONDY, UMHO/CM AT 25C                                | 683.1         | 850.1               | 1387          | 1081          | 595.1         | 927.4         |

| Year | Month | Day | Time  | Location      | Activity  | Remarks                           |
|------|-------|-----|-------|---------------|-----------|-----------------------------------|
| 1961 | Jan   | 1   | 08:00 | San Francisco | Departure | First flight of the year          |
| 1961 | Jan   | 2   | 08:00 | San Francisco | Departure | Second flight of the year         |
| 1961 | Jan   | 3   | 08:00 | San Francisco | Departure | Third flight of the year          |
| 1961 | Jan   | 4   | 08:00 | San Francisco | Departure | Fourth flight of the year         |
| 1961 | Jan   | 5   | 08:00 | San Francisco | Departure | Fifth flight of the year          |
| 1961 | Jan   | 6   | 08:00 | San Francisco | Departure | Sixth flight of the year          |
| 1961 | Jan   | 7   | 08:00 | San Francisco | Departure | Seventh flight of the year        |
| 1961 | Jan   | 8   | 08:00 | San Francisco | Departure | Eighth flight of the year         |
| 1961 | Jan   | 9   | 08:00 | San Francisco | Departure | Ninth flight of the year          |
| 1961 | Jan   | 10  | 08:00 | San Francisco | Departure | Tenth flight of the year          |
| 1961 | Jan   | 11  | 08:00 | San Francisco | Departure | Eleventh flight of the year       |
| 1961 | Jan   | 12  | 08:00 | San Francisco | Departure | Twelfth flight of the year        |
| 1961 | Jan   | 13  | 08:00 | San Francisco | Departure | Thirteenth flight of the year     |
| 1961 | Jan   | 14  | 08:00 | San Francisco | Departure | Fourteenth flight of the year     |
| 1961 | Jan   | 15  | 08:00 | San Francisco | Departure | Fifteenth flight of the year      |
| 1961 | Jan   | 16  | 08:00 | San Francisco | Departure | Sixteenth flight of the year      |
| 1961 | Jan   | 17  | 08:00 | San Francisco | Departure | Seventeenth flight of the year    |
| 1961 | Jan   | 18  | 08:00 | San Francisco | Departure | Eighteenth flight of the year     |
| 1961 | Jan   | 19  | 08:00 | San Francisco | Departure | Nineteenth flight of the year     |
| 1961 | Jan   | 20  | 08:00 | San Francisco | Departure | Twentieth flight of the year      |
| 1961 | Jan   | 21  | 08:00 | San Francisco | Departure | Twenty-first flight of the year   |
| 1961 | Jan   | 22  | 08:00 | San Francisco | Departure | Twenty-second flight of the year  |
| 1961 | Jan   | 23  | 08:00 | San Francisco | Departure | Twenty-third flight of the year   |
| 1961 | Jan   | 24  | 08:00 | San Francisco | Departure | Twenty-fourth flight of the year  |
| 1961 | Jan   | 25  | 08:00 | San Francisco | Departure | Twenty-fifth flight of the year   |
| 1961 | Jan   | 26  | 08:00 | San Francisco | Departure | Twenty-sixth flight of the year   |
| 1961 | Jan   | 27  | 08:00 | San Francisco | Departure | Twenty-seventh flight of the year |
| 1961 | Jan   | 28  | 08:00 | San Francisco | Departure | Twenty-eighth flight of the year  |
| 1961 | Jan   | 29  | 08:00 | San Francisco | Departure | Twenty-ninth flight of the year   |
| 1961 | Jan   | 30  | 08:00 | San Francisco | Departure | Thirtieth flight of the year      |
| 1961 | Jan   | 31  | 08:00 | San Francisco | Departure | Final flight of the year          |

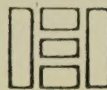


| Field Sample | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|--------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 73           | CODE NOT GIVEN    |                               |             |         | 02/04/90      | 5         |
| 74           | CODE NOT GIVEN    |                               |             |         | 02/04/90      | 5         |

| Field Sample Number          | 73       | 74       |
|------------------------------|----------|----------|
| Test Description             |          |          |
| Code, Units of Measure       | W14-0092 | W14-0093 |
| Method                       |          |          |
| CONDUCTIVITY 25C             | 781.     | 482.     |
| COND25,UMHO/CM at 25 D.CENT. |          |          |
| 002BI2                       |          |          |
| HARDNESS, TOTAL              | 386.0    | 257.0    |
| HARDT ,MG/L as CaCO3         |          |          |
| CALCO1                       |          |          |
| CALCIUM, UNF. REACTIVE       | 100.0    | 55.2     |
| CAUR ,MG/L as Ca (Calcium)   |          |          |
| 002CA1                       |          |          |
| MAGNESIUM, UNF. REACTIVE     | 33.00    | 29.00    |
| MGUR ,MG/L as Mg Magnesium   |          |          |
| 001CA1                       |          |          |
| SODIUM, UNF. REACT.          | 17.2     | 7.8      |
| NAUR ,MG/L as Na (Sodium)    |          |          |
| 001EA1                       |          |          |
| POTASSIUM, UNF. REACT.       | 4.20     | 2.00     |
| KKUR ,MG/L as K (Potassium)  |          |          |
| 002EA1                       |          |          |
| ALKALINITY, TOTAL            | 209.9    | 218.5    |
| ALKT ,MG/L as CaCO3          |          |          |
| 004AT6                       |          |          |
| PH (-LOG(H+(CONCN)))         | 7.98     | 8.00     |
| PH ,DIMENSIONLESS            |          |          |
| 003AI2                       |          |          |
| CHLORIDE, UNF. REACTIVE      | 23.70    | 10.40    |
| CLIDUR, MG/L as Cl- Chloride |          |          |
| 004EC2                       |          |          |
| SULPHATE, UNF. REACT.        | 182.2    | 30.57    |
| SSO4UR, MG/L as SO4 Sulphate |          |          |
| 003AI0                       |          |          |
| NITR'N, TOTAL KJELD, UNF. R  | .40      | .25      |
| NNTKUR, MG/L as N (Nitrogen) |          |          |
| 004BC2                       |          |          |
| AMMONIUM, TOTL, FRAC REAC    | .30      | .15<T    |
| NNHTFR, MG/L as N (Nitrogen) |          |          |
| 102AC2                       |          |          |
| NITRATES, TOTL, FRAC REAC    | <.05<W   | <.05<W   |
| NNOTFR, MG/L as N (Nitrogen) |          |          |
| 102CC2                       |          |          |
| NITRITE, FRAC REACT          | <.005<W  | <.005<W  |
| NNO2FR, MG/L as N (Nitrogen) |          |          |
| 102CC2                       |          |          |
| ION BALANCE CALCULATION      | .8714    | 4.625    |
| IONBL ,%                     |          |          |
| TOTAL POSITIVE IONS          | 8.582    | 5.542    |
| POS ,MEQ                     |          |          |
| TOTAL NEGATIVE IONS          | 8.657    | 5.297    |
| NEG ,MEQ                     |          |          |
| EST. DISSOLVED SOLIDS        | 488.7    | 268.4    |
| DISOL ,MG/L                  |          |          |
| ESTIMATED CONDUCTIVITY       | 953.2    | 539.5    |
| CONDY.UMHO/CM AT 25C         |          |          |







- Hydrogeology
- Engineering Geology
- Geotechnics
- Aggregate Resources

March 1, 1990

Dear Resident of Millgrove:

Jagger Hims Limited has been retained by the Ministry of the Environment to undertake a review of the ground water quality in the vicinity of Millgrove.

The study consists of the following aspects:

- a review of the water well records for Millgrove, which are on file with the Ministry, to provide us with background information on the types of wells, and ground water sources present in the Millgrove area,
- chemical and bacteriological analysis of water samples from selected households within the study area to provide detailed information regarding water quality in existing well supplies.

We would greatly appreciate your co-operation, initially by completing as much of the attached questionnaire as possible. This information will assist us in assessing the types of wells, i.e. drilled, bored, dug, etc., which are present in Millgrove. Once we have received this information, we will be selecting specific houses and requesting permission from the home owners to sample their water which will then be submitted for analysis. The results of the analyses can be made available to the individual home owners upon request.

The questionnaire asks for a lot of information. If you have a copy of the water well record sheet for your well, it will be very helpful when filling out the form. We would appreciate receiving a reply from you regardless of how much information you are able to provide. For example, just to know if you have a 30" or 36" diameter well, or a 6" drilled well will be extremely useful to us.

Please return the completed forms before March 9, 1990 to:

Mr. R. Bruce  
Jagger Hims Limited  
General Delivery  
Millgrove, Ontario  
LOR IVO

or

they can be placed in a slotted box at the Millgrove Public Library during their regular hours:

Tuesday and Thursday 3:00 p.m. to 9:00 p.m.  
Monday, Wednesday and Friday 2:00 p.m. to 5:00 p.m.  
Saturday 10:00 a.m. to 4:00 p.m.

We thank you for your co-operation in this matter. Please call Robert Bruce or Andrew Hims at Jagger Hims Limited 1-800-263-7419 if you have any questions.

Yours truly,  
JAGGER HIMS LIMITED

J. Robert Bruce, M.Sc.  
Project Hydrogeologist  
JRB:jmh  
Encl.





## Sheet of

PROJECT NAME \_\_\_\_\_ PROJECT NUMBER \_\_\_\_\_

PERSON INTERVIEWED \_\_\_\_\_ RESIDENCE \_\_\_\_\_

DATE \_\_\_\_\_ TIME \_\_\_\_\_ INTERVIEWED BY \_\_\_\_\_

OWNER OF WELL:

Name: \_\_\_\_\_ Telephone (Bus.) \_\_\_\_\_  
Address: \_\_\_\_\_ (Home) \_\_\_\_\_

OCCUPANT OF HOUSE SERVED BY WELL (If other than owner):

Name: \_\_\_\_\_ Telephone (Bus.) \_\_\_\_\_  
Address: \_\_\_\_\_ (Home) \_\_\_\_\_

WELL LOCATION: Lot \_\_\_\_\_ Concession \_\_\_\_\_ Township \_\_\_\_\_

WELL CONSTRUCTION DETAILS:

Date constructed \_\_\_\_\_ Use \_\_\_\_\_ Contractor \_\_\_\_\_

Type (drilled or dug) \_\_\_\_\_ Diameter \_\_\_\_\_ Well Depth \_\_\_\_\_

Is well accessible for direct sampling \_\_\_\_\_ or buried \_\_\_\_\_

Well completed into Bedrock \_\_\_\_\_ m. Overburden \_\_\_\_\_ m.

Screen: Yes No If yes, length \_\_\_\_\_ m. Depth to top of screen \_\_\_\_\_ m.

WELL WATER LEVELS:

(Indicate whether measured from ground level, or from top of casing)

Original water level depth \_\_\_\_\_ m

Subsequent water level measurements (give depths in m and dates)

PUMPING EQUIPMENT:

Pump Type: Suction-lift or Positive-submergence Pumping capacity Age

How is your pump lubricated?

| Depth of intake setting | m (Original) | m (Present) | Pumping rate |
|-------------------------|--------------|-------------|--------------|
| 1                       |              |             |              |
| 2                       |              |             |              |
| 3                       |              |             |              |
| 4                       |              |             |              |
| 5                       |              |             |              |
| 6                       |              |             |              |
| 7                       |              |             |              |
| 8                       |              |             |              |
| 9                       |              |             |              |
| 10                      |              |             |              |
| 11                      |              |             |              |
| 12                      |              |             |              |
| 13                      |              |             |              |
| 14                      |              |             |              |
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| 100                     |              |             |              |

| Storage tank: | Type | Capacity |
|---------------|------|----------|
|               |      |          |

Do you have a :

| Chlorinator | Water Softener | Water Filter | Filter Type |
|-------------|----------------|--------------|-------------|
|             |                |              |             |

| Water use: Domestic | No | Yes | No. of persons using water from well |
|---------------------|----|-----|--------------------------------------|
|---------------------|----|-----|--------------------------------------|

| Livestock No | Yes | No. of livestock watered from well |
|--------------|-----|------------------------------------|
|--------------|-----|------------------------------------|

Lawn watering No Yes Other \_\_\_\_\_ Amount \_\_\_\_\_

|                     |                                          |
|---------------------|------------------------------------------|
| Subscription Office | 535 North Dearborn Street, Chicago, Ill. |
| Business Office     | 535 North Dearborn Street, Chicago, Ill. |
| Editorial Office    | 535 North Dearborn Street, Chicago, Ill. |
| Advertising Office  | 535 North Dearborn Street, Chicago, Ill. |
| Post Office         | 535 North Dearborn Street, Chicago, Ill. |

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Equipment: (Indoor plumbing (e.g. shower, automatic washer, etc.) \_\_\_\_\_

Private waste and water disposal: Type (septic tank, etc.) \_\_\_\_\_

Distance to well \_\_\_\_\_

Well is (1) Uphill \_\_\_\_\_ (2) Downhill \_\_\_\_\_ (3) Same Grade \_\_\_\_\_

PREVIOUS PROBLEMS:

How long have you owned, operated or lived on this property \_\_\_\_\_

Have you ever experienced any previous problems with your well \_\_\_\_\_

If so, when? \_\_\_\_\_

What was the cause of the previous problem: Drought \_\_\_\_\_ Pump Failure \_\_\_\_\_ Plugging \_\_\_\_\_

Increased Usage \_\_\_\_\_ Interference \_\_\_\_\_ Contamination \_\_\_\_\_

If problem was contamination, what water quality changes were apparent \_\_\_\_\_  
(Note any differences in taste, odour, colour or clarity)

What action was taken to overcome this problem? \_\_\_\_\_

What were the effects of this action? \_\_\_\_\_

Did you ever have your well deepened \_\_\_\_\_ or cleaned \_\_\_\_\_ or a new well  
constructed \_\_\_\_\_ If so, why? \_\_\_\_\_

Outline briefly any previous repairs or changes in pumping equipment, and dates

Sample taken No \_\_\_\_\_ Yes \_\_\_\_\_

Field Analysis

Sample Number \_\_\_\_\_ Hardness \_\_\_\_\_ Chloride \_\_\_\_\_

Number of Bottles \_\_\_\_\_ Iron \_\_\_\_\_ Conductivity \_\_\_\_\_

pH \_\_\_\_\_

LOCATION SKETCH

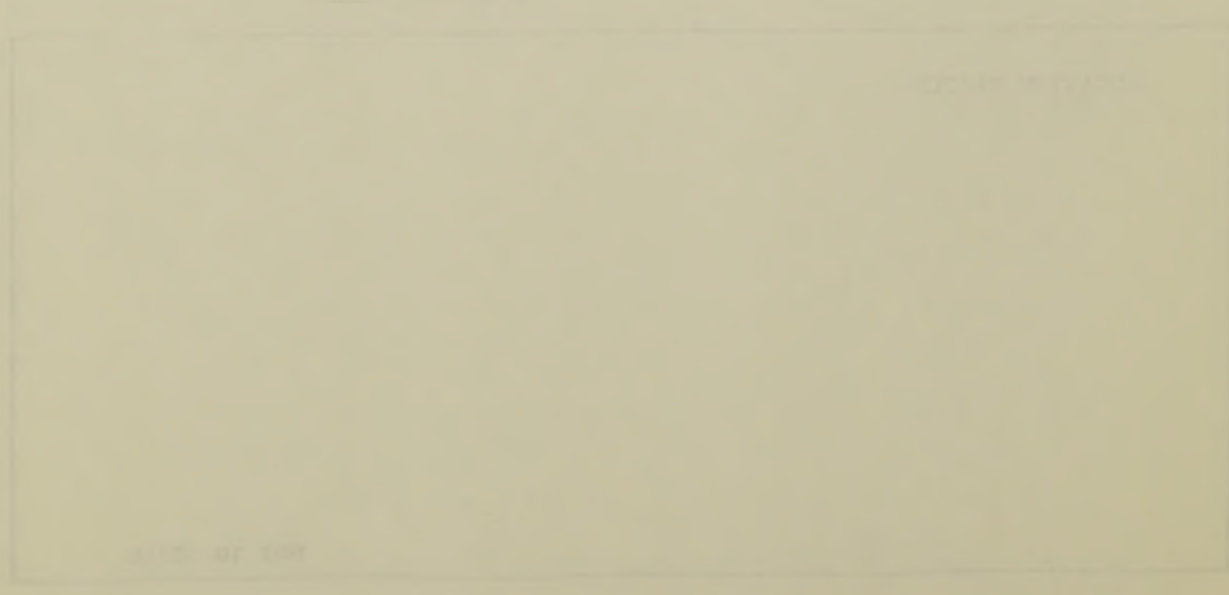
NOT TO SCALE

1. The first part of the report is a general introduction to the subject of the study. It discusses the importance of the study and the objectives of the research. It also provides a brief overview of the methodology used in the study.

2. The second part of the report is a detailed description of the study area. It includes information about the location of the study area, the population of the study area, and the characteristics of the study area. It also discusses the data sources used in the study.

3. The third part of the report is a detailed description of the study results. It includes information about the findings of the study, the conclusions drawn from the findings, and the implications of the findings. It also discusses the limitations of the study and the need for further research.

4. The fourth part of the report is a conclusion and recommendations section. It summarizes the main findings of the study and provides recommendations for future research and policy. It also discusses the overall impact of the study and the need for further research.





Sample Class OP

Results

PRIORITY ORGANICS DWO

Inquiries at BILL BERG / WALTER OFFENBACHER 235-5908  
Telephone 416-235-5907

| Field Sample      | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|-------------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 31 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0040   |         | 27/03/90      | S         |
| 32 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0041   |         | 27/03/90      | S         |
| 33 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0042   |         | 27/03/90      | S         |
| 34 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0043   |         | 27/03/90      | S         |
| 35 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0044   |         | 27/03/90      | S         |

| Field Sample Number                                                 | 31        | 32            | 33        | 35            | 36        |
|---------------------------------------------------------------------|-----------|---------------|-----------|---------------|-----------|
| Test Description                                                    | OP13-0040 | OP13-0041     | OP13-0042 | OP13-0043     | OP13-0044 |
| Code Units or Measure Method                                        |           |               |           |               |           |
| 1,1-DICHLOROETHYLENE<br>X1001P,UG/L Microgram/Litre<br>POC0D0       | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| DICHLOROMETHANE<br>X1002P,UG/L Microgram/Litre<br>POC0D0            | <.5KW     | <.5KW         | <.5KW     | <.5KW         | <.5KW     |
| TRANS-1,2-DICHLOROETHYLENE<br>X1003P,UG/L Microgram/Litre<br>POC0D0 | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| 1,1-DICHLOROETHANE<br>X1004P,UG/L Microgram/Litre<br>POC0D0         | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| CHLOROFORM<br>X1005P,UG/L Microgram/Litre<br>POC0D0                 | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| 1,1,1-TRICHLOROETHANE<br>X1006P,UG/L Microgram/Litre<br>POC0D0      | <.02KW    | <.02KW        | <.02KW    | <.02KW        | <.02KW    |
| 1,2-DICHLOROETHANE<br>X1007P,UG/L Microgram/Litre<br>POC0D0         | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |
| CARBON TETRACHLORIDE<br>X1008P,UG/L Microgram/Litre<br>POC0D0       | <.2KW     | <.2KW         | <.2KW     | <.2KW         | <.2KW     |
| BENZENE<br>B2001P,UG/L Microgram/Litre<br>POC0D0                    | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |
| 1,2-DICHLOROPROPANE<br>X1009P,UG/L Microgram/Litre<br>POC0D0        | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |
| TRICHLOROETHYLENE<br>X1010P,UG/L Microgram/Litre<br>POC0D0          | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| DICHLOROBROMOMETHANE<br>X1011P,UG/L Microgram/Litre<br>POC0D0       | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |
| TOLUENE<br>B2002P,UG/L Microgram/Litre<br>POC0D0                    | <.05KW    | .65           | <.05KW    | <.05KW        | <.05KW    |
| 1,1,2-TRICHLOROETHANE<br>X1012P,UG/L Microgram/Litre<br>POC0D0      | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |
| CHLOROBROMOMETHANE<br>X1013P,UG/L Microgram/Litre<br>POC0D0         | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| TETRACHLOROETHYLENE<br>X1014P,UG/L Microgram/Litre<br>POC0D0        | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |
| PERCHLOROETHYLENE<br>X2001P,UG/L Microgram/Litre<br>POC0D0          | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| TOTAL MONOCHLOROMETHANES<br>X2011P,UG/L Microgram/Litre<br>POC0D0   | <.50KW    | <.50KW        | <.50KW    | <.50KW        | <.50KW    |
| ETHYLBENZENE<br>B2003P,UG/L Microgram/Litre<br>POC0D0               | <.05KW    | .35KT         | <.05KW    | <.05KW        | <.05KW    |
| ETHYLENE DIBROMIDE<br>X2EDB,UG/L Microgram/Litre<br>POC0D0          | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |
| P-XYLENE<br>B2004P,UG/L Microgram/Litre<br>POC0D0                   | <.1KW     | <.1KW<br>RMP  | <.1KW     | <.1KW         | <.1KW     |
| M-XYLENE<br>B2005P,UG/L Microgram/Litre<br>POC0D0                   | <.1KW     | 1.2RMP        | <.1KW     | <.1KW         | <.1KW     |
| BROMOFORM<br>X1015P,UG/L Microgram/Litre<br>POC0D0                  | <.2KW     | <.2KW         | <.2KW     | <.2KW         | <.2KW     |
| O-XYLENE<br>B2006P,UG/L Microgram/Litre<br>POC0D0                   | <.05KW    | .45KT         | <.05KW    | .05KT         | <.05KW    |
| 1,1,2,2-TETRACHLOROETHANE<br>X1016P,UG/L Microgram/Litre<br>POC0D0  | <.05KW    | <.05KW<br>SPS | <.05KW    | <.05KW<br>SPS | <.05KW    |
| 1,4-DICHLOROBENZENE<br>X2002P,UG/L Microgram/Litre<br>POC0D0        | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| 1,3-DICHLOROBENZENE<br>X2003P,UG/L Microgram/Litre<br>POC0D0        | <.1KW     | <.1KW         | <.1KW     | <.1KW         | <.1KW     |
| 1,2-DICHLOROBENZENE<br>X2004P,UG/L Microgram/Litre<br>POC0D0        | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |
| STYRENE<br>B2009P,UG/L Microgram/Litre<br>POC0D0                    | <.05KW    | <.05KW        | <.05KW    | <.05KW        | <.05KW    |





| Test Code                   | Sample Number | 37        | 41        | 42        |
|-----------------------------|---------------|-----------|-----------|-----------|
| Code                        | Sample Number | OP13-0045 | OP13-0046 | OP13-0047 |
| Code                        | Sample Number | Method    |           |           |
| 1,1-DICHLOROETHYLENE        |               | <.1<W     | <.1<W     | <.1<W     |
| X1001P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| DICHLOROMETHANE             |               | <.5<W     | <.5<W     | <.5<W     |
| X1002P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,1,1-TRICHLOROETHYLENE     |               | <.1<W     | <.1<W     | <.1<W     |
| X1003P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,1,1-DICHLOROETHANE        |               | <.1<W     | <.1<W     | <.1<W     |
| X1004P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| CHLOROFORM                  |               | <.1<W     | <.1<W     | <.1<W     |
| X1005P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,1,1-TRICHLOROETHANE       |               | <.02<W    | <.02<W    | <.02<W    |
| X1006P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,2-DICHLOROETHANE          |               | <.05<W    | <.05<W    | <.05<W    |
| X1007P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| CARBON TETRACHLORIDE        |               | <.2<W     | <.2<W     | <.2<W     |
| X1008P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| BENZENE                     |               | <.05<W    | <.05<W    | <.05<W    |
| B2001P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,2-DICHLOROPROPANE         |               | <.05<W    | <.05<W    | <.05<W    |
| X1009P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| TRICHLOROETHYLENE           |               | <.1<W     | <.1<W     | <.1<W     |
| X1010P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| DICHLOROBROMOMETHANE        |               | <.05<W    | <.05<W    | <.05<W    |
| X1011P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| TOLUENE                     |               | <.05<W    | <.05<W    | <.05<W    |
| B2002P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,1,2-TRICHLOROETHANE       |               | <.05<W    | <.05<W    | <.05<W    |
| X1012P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| CHLORODIBROMOMETHANE        |               | <.1<W     | <.1<W     | <.1<W     |
| X1013P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| TETRACHLOROETHYLENE         |               | <.05<W    | <.05<W    | <.05<W    |
| X1014P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| CHLOROBENZENE               |               | <.1<W     | <.1<W     | <.1<W     |
| X2001P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| TOTAL TRIHALOMETHANES       |               | <.50<W    | <.50<W    | <.50<W    |
| X2THM,UG/L Microgram/Litre  |               | P0C0D0    |           |           |
| ETHYLBENZENE                |               | <.05<W    | <.05<W    | <.05<W    |
| B2003P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| ETHYLENE DIBROMIDE          |               | <.05<W    | <.05<W    | <.05<W    |
| X2EDB,UG/L Microgram/Litre  |               | P0C0D0    |           |           |
| P-XYLENE                    |               | <.1<W     | <.1<W     | <.1<W     |
| B2004P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| M-XYLENE                    |               | <.1<W     | <.1<W     | <.1<W     |
| B2005P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| BROMOFORM                   |               | <.2<W     | <.2<W     | <.2<W     |
| X1015P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| O-XYLENE                    |               | <.05<W    | <.05<W    | <.05<W    |
| B2006P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,1,2,2-TETRACHLOROETHANE   |               | <.05<W    | <.05<W    | <.05<W    |
| X1016P,UG/L Microgram/Litre |               | P0C0D0    | APS       |           |
| 1,4-DICHLOROBENZENE         |               | <.1<W     | <.1<W     | <.1<W     |
| X2002P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,3-DICHLOROBENZENE         |               | <.1<W     | <.1<W     | <.1<W     |
| X2003P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| 1,2-DICHLOROBENZENE         |               | <.05<W    | <.05<W    | <.05<W    |
| X2004P,UG/L Microgram/Litre |               | P0C0D0    |           |           |
| STYRENE                     |               | <.05<W    | <.05<W    | <.05<W    |
| B2008P,UG/L Microgram/Litre |               | P0C0D0    |           |           |

| Date |    | Description |  | Amount |  |
|------|----|-------------|--|--------|--|
| 1911 | 12 | Balance     |  | 100.00 |  |
| 1912 | 1  | Interest    |  | 10.00  |  |
| 1912 | 2  | Interest    |  | 10.00  |  |
| 1912 | 3  | Interest    |  | 10.00  |  |
| 1912 | 4  | Interest    |  | 10.00  |  |
| 1912 | 5  | Interest    |  | 10.00  |  |
| 1912 | 6  | Interest    |  | 10.00  |  |
| 1912 | 7  | Interest    |  | 10.00  |  |
| 1912 | 8  | Interest    |  | 10.00  |  |
| 1912 | 9  | Interest    |  | 10.00  |  |
| 1912 | 10 | Interest    |  | 10.00  |  |
| 1912 | 11 | Interest    |  | 10.00  |  |
| 1912 | 12 | Interest    |  | 10.00  |  |
| 1913 | 1  | Interest    |  | 10.00  |  |
| 1913 | 2  | Interest    |  | 10.00  |  |
| 1913 | 3  | Interest    |  | 10.00  |  |
| 1913 | 4  | Interest    |  | 10.00  |  |
| 1913 | 5  | Interest    |  | 10.00  |  |
| 1913 | 6  | Interest    |  | 10.00  |  |
| 1913 | 7  | Interest    |  | 10.00  |  |
| 1913 | 8  | Interest    |  | 10.00  |  |
| 1913 | 9  | Interest    |  | 10.00  |  |
| 1913 | 10 | Interest    |  | 10.00  |  |
| 1913 | 11 | Interest    |  | 10.00  |  |
| 1913 | 12 | Interest    |  | 10.00  |  |
| 1914 | 1  | Interest    |  | 10.00  |  |
| 1914 | 2  | Interest    |  | 10.00  |  |
| 1914 | 3  | Interest    |  | 10.00  |  |
| 1914 | 4  | Interest    |  | 10.00  |  |
| 1914 | 5  | Interest    |  | 10.00  |  |
| 1914 | 6  | Interest    |  | 10.00  |  |
| 1914 | 7  | Interest    |  | 10.00  |  |
| 1914 | 8  | Interest    |  | 10.00  |  |
| 1914 | 9  | Interest    |  | 10.00  |  |
| 1914 | 10 | Interest    |  | 10.00  |  |
| 1914 | 11 | Interest    |  | 10.00  |  |
| 1914 | 12 | Interest    |  | 10.00  |  |
| 1915 | 1  | Interest    |  | 10.00  |  |
| 1915 | 2  | Interest    |  | 10.00  |  |
| 1915 | 3  | Interest    |  | 10.00  |  |
| 1915 | 4  | Interest    |  | 10.00  |  |
| 1915 | 5  | Interest    |  | 10.00  |  |
| 1915 | 6  | Interest    |  | 10.00  |  |
| 1915 | 7  | Interest    |  | 10.00  |  |
| 1915 | 8  | Interest    |  | 10.00  |  |
| 1915 | 9  | Interest    |  | 10.00  |  |
| 1915 | 10 | Interest    |  | 10.00  |  |
| 1915 | 11 | Interest    |  | 10.00  |  |
| 1915 | 12 | Interest    |  | 10.00  |  |
| 1916 | 1  | Interest    |  | 10.00  |  |
| 1916 | 2  | Interest    |  | 10.00  |  |
| 1916 | 3  | Interest    |  | 10.00  |  |
| 1916 | 4  | Interest    |  | 10.00  |  |
| 1916 | 5  | Interest    |  | 10.00  |  |
| 1916 | 6  | Interest    |  | 10.00  |  |
| 1916 | 7  | Interest    |  | 10.00  |  |
| 1916 | 8  | Interest    |  | 10.00  |  |
| 1916 | 9  | Interest    |  | 10.00  |  |
| 1916 | 10 | Interest    |  | 10.00  |  |
| 1916 | 11 | Interest    |  | 10.00  |  |
| 1916 | 12 | Interest    |  | 10.00  |  |
| 1917 | 1  | Interest    |  | 10.00  |  |
| 1917 | 2  | Interest    |  | 10.00  |  |
| 1917 | 3  | Interest    |  | 10.00  |  |
| 1917 | 4  | Interest    |  | 10.00  |  |
| 1917 | 5  | Interest    |  | 10.00  |  |
| 1917 | 6  | Interest    |  | 10.00  |  |
| 1917 | 7  | Interest    |  | 10.00  |  |
| 1917 | 8  | Interest    |  | 10.00  |  |
| 1917 | 9  | Interest    |  | 10.00  |  |
| 1917 | 10 | Interest    |  | 10.00  |  |
| 1917 | 11 | Interest    |  | 10.00  |  |
| 1917 | 12 | Interest    |  | 10.00  |  |
| 1918 | 1  | Interest    |  | 10.00  |  |
| 1918 | 2  | Interest    |  | 10.00  |  |
| 1918 | 3  | Interest    |  | 10.00  |  |
| 1918 | 4  | Interest    |  | 10.00  |  |
| 1918 | 5  | Interest    |  | 10.00  |  |
| 1918 | 6  | Interest    |  | 10.00  |  |
| 1918 | 7  | Interest    |  | 10.00  |  |
| 1918 | 8  | Interest    |  | 10.00  |  |
| 1918 | 9  | Interest    |  | 10.00  |  |
| 1918 | 10 | Interest    |  | 10.00  |  |
| 1918 | 11 | Interest    |  | 10.00  |  |
| 1918 | 12 | Interest    |  | 10.00  |  |
| 1919 | 1  | Interest    |  | 10.00  |  |
| 1919 | 2  | Interest    |  | 10.00  |  |
| 1919 | 3  | Interest    |  | 10.00  |  |
| 1919 | 4  | Interest    |  | 10.00  |  |
| 1919 | 5  | Interest    |  | 10.00  |  |
| 1919 | 6  | Interest    |  | 10.00  |  |
| 1919 | 7  | Interest    |  | 10.00  |  |
| 1919 | 8  | Interest    |  | 10.00  |  |
| 1919 | 9  | Interest    |  | 10.00  |  |
| 1919 | 10 | Interest    |  | 10.00  |  |
| 1919 | 11 | Interest    |  | 10.00  |  |
| 1919 | 12 | Interest    |  | 10.00  |  |
| 1920 | 1  | Interest    |  | 10.00  |  |
| 1920 | 2  | Interest    |  | 10.00  |  |
| 1920 | 3  | Interest    |  | 10.00  |  |
| 1920 | 4  | Interest    |  | 10.00  |  |
| 1920 | 5  | Interest    |  | 10.00  |  |
| 1920 | 6  | Interest    |  | 10.00  |  |
| 1920 | 7  | Interest    |  | 10.00  |  |
| 1920 | 8  | Interest    |  | 10.00  |  |
| 1920 | 9  | Interest    |  | 10.00  |  |
| 1920 | 10 | Interest    |  | 10.00  |  |
| 1920 | 11 | Interest    |  | 10.00  |  |
| 1920 | 12 | Interest    |  | 10.00  |  |



Sample 1040 1P

Results

PRIORITY ORGANICS DUO

Inquiries at BILL BERG / WALTER OFFENBACHER 235-5908  
Telephone 416-235-5907

| Field Sample      | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|-------------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| 43 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0048   |         | 27/03/90      | 5         |
| 45 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0049   |         | 27/03/90      | 5         |
| 46 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0050   |         | 27/03/90      | 5         |
| 47 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0051   |         | 27/03/90      | 5         |
| 48 CODE NOT GIVEN |                   | NOT GIVEN                     | OP13-0052   |         | 27/03/90      | 5         |

| Field Sample Number...      | 43        | 45        | 46        | 47        | 48        |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|
| Test Description            |           |           |           |           |           |
| Code, Units of Measure      | OP13-0048 | OP13-0049 | OP13-0050 | OP13-0051 | OP13-0052 |
| Method                      |           |           |           |           |           |
| 1,1-DICHLOROETHYLENE        | IEF       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| X1001P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| DICHLOROMETHANE             | IEF       | < 5KW     | < 5KW     | < 5KW     | < 5KW     |
| X1002P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,1,1-TRICHLOROETHYLENE     | IEF       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| X1003P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,1-DICHLOROMETHANE         | IEF       | < 1KW     | 1KT       | < 1KW     | < 1KW     |
| X1004P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| CHLOROFORM                  | IEF       | < 1KW     | 2KT       | < 1KW     | < 1KW     |
| X1005P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,1,1-TRICHLOROETHANE       | IEF       | < 02KW    | 12KT      | < 02KW    | < 02KW    |
| X1006P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,2-DICHLOROETHANE          | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| X1007P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| CARBON TETRACHLORIDE        | IEF       | < 2KW     | < 2KW     | < 2KW     | < 2KW     |
| X1008P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| BENZENE                     | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| B2001P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,2-DICHLOROPROPANE         | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| X1009P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| TRICHLOROETHYLENE           | IEF       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| X1010P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| DICHLOROBROMOMETHANE        | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| X1011P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| TOLUENE                     | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| B2002P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,1,2-TRICHLOROETHANE       | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| X1012P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| CHLORODIBROMOMETHANE        | IEF       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| X1013P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| TETRACHLOROETHYLENE         | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| X1014P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| CHLOROBENZENE               | IEF       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| X2001P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| TOTAL HALOGENATED BENZINES  | IEF       | < 50KW    | < 50KW    | < 50KW    | < 50KW    |
| X2002P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| ETHYLENE BROMIDE            | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| B2003P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| ETHYLENE DIiodIDE           | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| X2004P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| P-XYLENE                    | IEF       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| B2004P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| M-XYLENE                    | IEF       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| B2005P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| BROMOFORM                   | IEF       | < 2KW     | < 2KW     | < 2KW     | < 2KW     |
| X1015P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| O-XYLENE                    | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| B2006P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,1,2,2-TETRACHLOROETHANE   | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| X1016P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,4-DICHLOROBENZENE         | IEF       | < 1KW     | < 1KW     | < 1KW     | 2KT       |
| X2002P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,3-DICHLOROBENZENE         | IEF       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| X2003P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| 1,2-DICHLOROBENZENE         | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| X2004P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |
| STYRENE                     | IEF       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| B2008P,UG/L Microgram/Litre | No Units  |           |           |           |           |
| P0C0D0                      | No Method |           |           |           |           |

| Date       |            | Description      |          | Amount  |            |
|------------|------------|------------------|----------|---------|------------|
| 01/01/2020 | 01/01/2020 | Initial Balance  |          | 1000.00 |            |
| 02/01/2020 | 02/01/2020 | Payment Received | 500.00   |         | 1500.00    |
| 03/01/2020 | 03/01/2020 | Payment Received | 750.00   |         | 2250.00    |
| 04/01/2020 | 04/01/2020 | Payment Received | 1000.00  |         | 3250.00    |
| 05/01/2020 | 05/01/2020 | Payment Received | 1250.00  |         | 4500.00    |
| 06/01/2020 | 06/01/2020 | Payment Received | 1500.00  |         | 6000.00    |
| 07/01/2020 | 07/01/2020 | Payment Received | 1750.00  |         | 7750.00    |
| 08/01/2020 | 08/01/2020 | Payment Received | 2000.00  |         | 9750.00    |
| 09/01/2020 | 09/01/2020 | Payment Received | 2250.00  |         | 12000.00   |
| 10/01/2020 | 10/01/2020 | Payment Received | 2500.00  |         | 14500.00   |
| 11/01/2020 | 11/01/2020 | Payment Received | 2750.00  |         | 17250.00   |
| 12/01/2020 | 12/01/2020 | Payment Received | 3000.00  |         | 20250.00   |
| 01/01/2021 | 01/01/2021 | Payment Received | 3250.00  |         | 23500.00   |
| 02/01/2021 | 02/01/2021 | Payment Received | 3500.00  |         | 27000.00   |
| 03/01/2021 | 03/01/2021 | Payment Received | 3750.00  |         | 30750.00   |
| 04/01/2021 | 04/01/2021 | Payment Received | 4000.00  |         | 34750.00   |
| 05/01/2021 | 05/01/2021 | Payment Received | 4250.00  |         | 39000.00   |
| 06/01/2021 | 06/01/2021 | Payment Received | 4500.00  |         | 43500.00   |
| 07/01/2021 | 07/01/2021 | Payment Received | 4750.00  |         | 48250.00   |
| 08/01/2021 | 08/01/2021 | Payment Received | 5000.00  |         | 53250.00   |
| 09/01/2021 | 09/01/2021 | Payment Received | 5250.00  |         | 58500.00   |
| 10/01/2021 | 10/01/2021 | Payment Received | 5500.00  |         | 64000.00   |
| 11/01/2021 | 11/01/2021 | Payment Received | 5750.00  |         | 69750.00   |
| 12/01/2021 | 12/01/2021 | Payment Received | 6000.00  |         | 75750.00   |
| 01/01/2022 | 01/01/2022 | Payment Received | 6250.00  |         | 82000.00   |
| 02/01/2022 | 02/01/2022 | Payment Received | 6500.00  |         | 88500.00   |
| 03/01/2022 | 03/01/2022 | Payment Received | 6750.00  |         | 95250.00   |
| 04/01/2022 | 04/01/2022 | Payment Received | 7000.00  |         | 102250.00  |
| 05/01/2022 | 05/01/2022 | Payment Received | 7250.00  |         | 109500.00  |
| 06/01/2022 | 06/01/2022 | Payment Received | 7500.00  |         | 117000.00  |
| 07/01/2022 | 07/01/2022 | Payment Received | 7750.00  |         | 124750.00  |
| 08/01/2022 | 08/01/2022 | Payment Received | 8000.00  |         | 132750.00  |
| 09/01/2022 | 09/01/2022 | Payment Received | 8250.00  |         | 141000.00  |
| 10/01/2022 | 10/01/2022 | Payment Received | 8500.00  |         | 149500.00  |
| 11/01/2022 | 11/01/2022 | Payment Received | 8750.00  |         | 158250.00  |
| 12/01/2022 | 12/01/2022 | Payment Received | 9000.00  |         | 167250.00  |
| 01/01/2023 | 01/01/2023 | Payment Received | 9250.00  |         | 176500.00  |
| 02/01/2023 | 02/01/2023 | Payment Received | 9500.00  |         | 186000.00  |
| 03/01/2023 | 03/01/2023 | Payment Received | 9750.00  |         | 195750.00  |
| 04/01/2023 | 04/01/2023 | Payment Received | 10000.00 |         | 205750.00  |
| 05/01/2023 | 05/01/2023 | Payment Received | 10250.00 |         | 216000.00  |
| 06/01/2023 | 06/01/2023 | Payment Received | 10500.00 |         | 226500.00  |
| 07/01/2023 | 07/01/2023 | Payment Received | 10750.00 |         | 237250.00  |
| 08/01/2023 | 08/01/2023 | Payment Received | 11000.00 |         | 248250.00  |
| 09/01/2023 | 09/01/2023 | Payment Received | 11250.00 |         | 259500.00  |
| 10/01/2023 | 10/01/2023 | Payment Received | 11500.00 |         | 271000.00  |
| 11/01/2023 | 11/01/2023 | Payment Received | 11750.00 |         | 282750.00  |
| 12/01/2023 | 12/01/2023 | Payment Received | 12000.00 |         | 294750.00  |
| 01/01/2024 | 01/01/2024 | Payment Received | 12250.00 |         | 307000.00  |
| 02/01/2024 | 02/01/2024 | Payment Received | 12500.00 |         | 319500.00  |
| 03/01/2024 | 03/01/2024 | Payment Received | 12750.00 |         | 332250.00  |
| 04/01/2024 | 04/01/2024 | Payment Received | 13000.00 |         | 345250.00  |
| 05/01/2024 | 05/01/2024 | Payment Received | 13250.00 |         | 358500.00  |
| 06/01/2024 | 06/01/2024 | Payment Received | 13500.00 |         | 372000.00  |
| 07/01/2024 | 07/01/2024 | Payment Received | 13750.00 |         | 385750.00  |
| 08/01/2024 | 08/01/2024 | Payment Received | 14000.00 |         | 399750.00  |
| 09/01/2024 | 09/01/2024 | Payment Received | 14250.00 |         | 414000.00  |
| 10/01/2024 | 10/01/2024 | Payment Received | 14500.00 |         | 428500.00  |
| 11/01/2024 | 11/01/2024 | Payment Received | 14750.00 |         | 443250.00  |
| 12/01/2024 | 12/01/2024 | Payment Received | 15000.00 |         | 458250.00  |
| 01/01/2025 | 01/01/2025 | Payment Received | 15250.00 |         | 473500.00  |
| 02/01/2025 | 02/01/2025 | Payment Received | 15500.00 |         | 489000.00  |
| 03/01/2025 | 03/01/2025 | Payment Received | 15750.00 |         | 504750.00  |
| 04/01/2025 | 04/01/2025 | Payment Received | 16000.00 |         | 520750.00  |
| 05/01/2025 | 05/01/2025 | Payment Received | 16250.00 |         | 537000.00  |
| 06/01/2025 | 06/01/2025 | Payment Received | 16500.00 |         | 553500.00  |
| 07/01/2025 | 07/01/2025 | Payment Received | 16750.00 |         | 570250.00  |
| 08/01/2025 | 08/01/2025 | Payment Received | 17000.00 |         | 587250.00  |
| 09/01/2025 | 09/01/2025 | Payment Received | 17250.00 |         | 604500.00  |
| 10/01/2025 | 10/01/2025 | Payment Received | 17500.00 |         | 622000.00  |
| 11/01/2025 | 11/01/2025 | Payment Received | 17750.00 |         | 639750.00  |
| 12/01/2025 | 12/01/2025 | Payment Received | 18000.00 |         | 657750.00  |
| 01/01/2026 | 01/01/2026 | Payment Received | 18250.00 |         | 676000.00  |
| 02/01/2026 | 02/01/2026 | Payment Received | 18500.00 |         | 694500.00  |
| 03/01/2026 | 03/01/2026 | Payment Received | 18750.00 |         | 713250.00  |
| 04/01/2026 | 04/01/2026 | Payment Received | 19000.00 |         | 732250.00  |
| 05/01/2026 | 05/01/2026 | Payment Received | 19250.00 |         | 751500.00  |
| 06/01/2026 | 06/01/2026 | Payment Received | 19500.00 |         | 771000.00  |
| 07/01/2026 | 07/01/2026 | Payment Received | 19750.00 |         | 790750.00  |
| 08/01/2026 | 08/01/2026 | Payment Received | 20000.00 |         | 810750.00  |
| 09/01/2026 | 09/01/2026 | Payment Received | 20250.00 |         | 831000.00  |
| 10/01/2026 | 10/01/2026 | Payment Received | 20500.00 |         | 851500.00  |
| 11/01/2026 | 11/01/2026 | Payment Received | 20750.00 |         | 872250.00  |
| 12/01/2026 | 12/01/2026 | Payment Received | 21000.00 |         | 893250.00  |
| 01/01/2027 | 01/01/2027 | Payment Received | 21250.00 |         | 914500.00  |
| 02/01/2027 | 02/01/2027 | Payment Received | 21500.00 |         | 936000.00  |
| 03/01/2027 | 03/01/2027 | Payment Received | 21750.00 |         | 957750.00  |
| 04/01/2027 | 04/01/2027 | Payment Received | 22000.00 |         | 979750.00  |
| 05/01/2027 | 05/01/2027 | Payment Received | 22250.00 |         | 1002000.00 |
| 06/01/2027 | 06/01/2027 | Payment Received | 22500.00 |         | 1024500.00 |
| 07/01/2027 | 07/01/2027 | Payment Received | 22750.00 |         | 1047250.00 |
| 08/01/2027 | 08/01/2027 | Payment Received | 23000.00 |         | 1070250.00 |
| 09/01/2027 | 09/01/2027 | Payment Received | 23250.00 |         | 1093500.00 |
| 10/01/2027 | 10/01/2027 | Payment Received | 23500.00 |         | 1117000.00 |
| 11/01/2027 | 11/01/2027 | Payment Received | 23750.00 |         | 1140750.00 |
| 12/01/2027 | 12/01/2027 | Payment Received | 24000.00 |         | 1164750.00 |
| 01/01/2028 | 01/01/2028 | Payment Received | 24250.00 |         | 1189000.00 |
| 02/01/2028 | 02/01/2028 | Payment Received | 24500.00 |         | 1213500.00 |
| 03/01/2028 | 03/01/2028 | Payment Received | 24750.00 |         | 1238250.00 |
| 04/01/2028 | 04/01/2028 | Payment Received | 25000.00 |         | 1263250.00 |
| 05/01/2028 | 05/01/2028 | Payment Received | 25250.00 |         | 1288500.00 |
| 06/01/2028 | 06/01/2028 | Payment Received | 25500.00 |         | 1314000.00 |
| 07/01/2028 | 07/01/2028 | Payment Received | 25750.00 |         | 1339750.00 |
| 08/01/2028 | 08/01/2028 | Payment Received | 26000.00 |         | 1365750.00 |
| 09/01/2028 | 09/01/2028 | Payment Received | 26250.00 |         | 1392000.00 |
| 10/01/2028 | 10/01/2028 | Payment Received | 26500.00 |         | 1418500.00 |
| 11/01/2028 | 11/01/2028 | Payment Received | 26750.00 |         | 1445250.00 |
| 12/01/2028 | 12/01/2028 | Payment Received | 27000.00 |         | 1472250.00 |
| 01/01/2029 | 01/01/2029 | Payment Received | 27250.00 |         | 1509500.00 |
| 02/01/2029 | 02/01/2029 | Payment Received | 27500.00 |         | 1547000.00 |
| 03/01/2029 | 03/01/2029 | Payment Received | 27750.00 |         | 1584750.00 |
| 04/01/2029 | 04/01/2029 | Payment Received | 28000.00 |         | 1622750.00 |
| 05/01/2029 | 05/01/2029 | Payment Received | 28250.00 |         | 1661000.00 |
| 06/01/2029 | 06/01/2029 | Payment Received | 28500.00 |         | 1709500.00 |
| 07/01/2029 | 07/01/2029 | Payment Received | 28750.00 |         | 1758250.00 |
| 08/01/2029 | 08/01/2029 | Payment Received | 29000.00 |         | 1807250.00 |
| 09/01/2029 | 09/01/2029 | Payment Received | 29250.00 |         | 1856500.00 |
| 10/01/2029 | 10/01/2029 | Payment Received | 29500.00 |         | 1906000.00 |
| 11/01/2029 | 11/01/2029 | Payment Received | 29750.00 |         | 1955750.00 |
| 12/01/2029 | 12/01/2029 | Payment Received | 30000.00 |         | 2005750.00 |
| 01/01/2030 | 01/01/2030 | Payment Received | 30250.00 |         | 2056000.00 |
| 02/01/2030 | 02/01/2030 | Payment Received | 30500.00 |         | 2106500.00 |
| 03/01/2030 | 03/01/2030 | Payment Received | 30750.00 |         | 2157250.00 |
| 04/01/2030 | 04/01/2030 | Payment Received | 31000.00 |         | 2208250.00 |
| 05/01/2030 | 05/01/2030 | Payment Received | 31250.00 |         | 2259500.00 |
| 06/01/2030 | 06/01/2030 | Payment Received | 31500.00 |         | 2311000.00 |
| 07/01/2030 | 07/01/2030 | Payment Received | 31750.00 |         | 2362750.00 |
| 08/01/2030 | 08/01/2030 | Payment Received | 32000.00 |         | 2414750.00 |
| 09/01/2030 | 09/01/2030 | Payment Received | 32250.00 |         | 2467000.00 |
| 10/01/2030 | 10/01/2030 | Payment Received | 32500.00 |         | 2519500.00 |
| 11/01/2030 | 11/01/2030 | Payment Received | 32750.00 |         | 2572250.00 |
| 12/01/2030 | 12/01/2030 | Payment Received | 33000.00 |         | 2625250.00 |
| 01/01/2031 | 01/01/2031 | Payment Received | 33250.00 |         | 2678500.00 |
| 02/01/2031 | 02/01/2031 | Payment Received | 33500.00 |         | 2732000.00 |
| 03/01/2031 | 03/01/2031 | Payment Received | 33750.00 |         | 2785750.00 |
| 04/01/2031 | 04/01/2031 | Payment Received | 34000.00 |         | 2839750.00 |
| 05/01/2031 | 05/01/2031 | Payment Received | 34250.00 |         | 2894000.00 |
| 06/01/2031 | 06/01/2031 | Payment Received | 34500.00 |         | 2948500.00 |
| 07/01/2031 | 07/01/2031 | Payment Received | 34750.00 |         | 3003250.00 |
| 08/01/2031 | 08/01/2031 | Payment Received | 35000.00 |         | 3058250.00 |
| 09/01/2031 | 09/01/2031 | Payment Received | 35250.00 |         | 3113500.00 |
| 10/01/2031 | 10/01/2031 | Payment Received | 35500.00 |         | 3169000.00 |
| 11/01/2031 | 11/01/2031 | Payment Received | 35750.00 |         | 3224750.00 |
| 12/01/2031 | 12/01/2031 | Payment Received | 36000.00 |         | 3280750.00 |
| 01/01/2032 | 01/01/2032 | Payment Received | 36250.00 |         | 3337000.00 |
| 02/01/2032 | 02/01/2032 | Payment Received | 36500.00 |         | 3393500.00 |
| 03/01/2032 | 03/01/2032 | Payment Received | 36750.00 |         | 3450250.00 |
| 04/01/2032 | 04/01/2032 | Payment Received | 37000.00 |         | 3507250.00 |
| 05/01/2032 | 05/01/2032 | Payment Received | 37250.00 |         | 3564500.00 |
| 06/01/2032 | 06/01/2032 | Payment Received | 37500.00 |         | 3622000.00 |
| 07/01/2032 | 07/01/2032 | Payment Received | 37750.00 |         | 3679750.00 |
| 08/01/2032 | 08/01/2032 | Payment Received | 38000.00 |         | 3737750.00 |
| 09/01/2032 | 09/01/2032 | Payment Received | 38250.00 |         | 3796000.00 |
| 10/01/2032 | 10/01/2032 | Payment Received | 38500.00 |         | 3854500.00 |
| 11/01/2032 | 11/01/2032 | Payment Received | 38750.00 |         | 3913250.00 |
| 12/01/2032 | 12/01/2032 | Payment Received | 39000.00 |         | 3972250.00 |
| 01/01/2033 | 01/01/2033 | Payment Received | 39250.00 |         | 4031500.00 |
| 02/01/2033 | 02/01/2033 | Payment Received | 39500.00 |         | 4091000.00 |
| 03/01/2033 | 03/01/2033 | Payment Received | 39750.00 |         | 4150750.00 |
| 04/01/2033 | 04/01/2033 | Payment Received | 40000.00 |         | 4210750.00 |
| 05/01/2033 | 05/01/2033 | Payment Received | 40250.00 |         | 4271000.00 |
| 06/01/2033 | 06/01/2033 | Payment Received | 40500.00 |         | 4331500.00 |
| 07/01/2033 | 07/01/2033 | Payment Received | 40750.00 |         | 4392250.00 |
| 08/01/2033 | 08/01/2033 | Payment Received | 41000.00 |         | 4453250.00 |
| 09/01/2033 | 09/01/2033 | Payment Received | 41250.00 |         | 4514500.00 |
| 10/01/2033 | 10/01/2033 | Payment Received | 41500.00 |         | 4576000.00 |
| 11/01/2033 | 11/01/2033 | Payment Received | 41750.00 |         | 4637750.00 |
| 12/01/2033 | 12/01/2033 | Payment Received | 42000.00 |         | 4699750.00 |
| 01/01/2034 | 01/01/2034 | Payment Received | 42250.00 |         | 4762000.00 |
| 02/01/2034 | 02/01/2034 | Payment Received | 42500.00 |         | 4824500.00 |
|            |            |                  |          |         |            |



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Inquiries at Telephone BILL BERG / WALTER OFFENBACHER 235-5908  
416-235-5907

| Field Sample Number...                                             | 49        | 50        | 51        | 52        | 54        |
|--------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Test Description                                                   |           |           |           |           |           |
| Code, Units of Measure                                             | OP13-0053 | OP13-0054 | OP13-0055 | OP13-0056 | OP13-0057 |
| Method                                                             |           |           |           |           |           |
| 1,1-DICHLOROETHYLENE<br>X1001P,UG/L Microgram/Litre<br>POC0D0      | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| DICHLOROMETHANE<br>X1002P,UG/L Microgram/Litre<br>POC0D0           | < 5KW     | < 5KW     | < 5KW     | < 5KW     | < 5KW     |
| 1,1,1-TRICHLOROETHYLENE<br>X1003P,UG/L Microgram/Litre<br>POC0D0   | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| 1,1-DICHLOROETHANE<br>X1004P,UG/L Microgram/Litre<br>POC0D0        | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| CHLORODIBROMOMETHANE<br>X1005P,UG/L Microgram/Litre<br>POC0D0      | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| 1,1,1-TRICHLOROETHANE<br>X1006P,UG/L Microgram/Litre<br>POC0D0     | < 02KW    | < 02KW    | < 02KW    | < 02KW    | < 02KW    |
| 1,2-DICHLOROETHANE<br>X1007P,UG/L Microgram/Litre<br>POC0D0        | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| CARBON TETRACHLORIDE<br>X1008P,UG/L Microgram/Litre<br>POC0D0      | < 2KW     | < 2KW     | < 2KW     | < 2KW     | < 2KW     |
| BENZENE<br>B2001P,UG/L Microgram/Litre<br>POC0D0                   | < 05KW    | < 05KW    | < 05KW    | 20KT      | < 05KW    |
| 1,2-DICHLOROPROPANE<br>X1009P,UG/L Microgram/Litre<br>POC0D0       | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| TRICHLOROETHYLENE<br>X1010P,UG/L Microgram/Litre<br>POC0D0         | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| DICHLOROBROMOMETHANE<br>X1011P,UG/L Microgram/Litre<br>POC0D0      | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| TOLUENE<br>B2002P,UG/L Microgram/Litre<br>POC0D0                   | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| 1,1,2-TRICHLOROETHANE<br>X1012P,UG/L Microgram/Litre<br>POC0D0     | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| CHLORODIBROMOMETHANE<br>X1013P,UG/L Microgram/Litre<br>POC0D0      | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| TETRACHLOROETHYLENE<br>X1014P,UG/L Microgram/Litre<br>POC0D0       | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| CHLOROBENZENE<br>X2001P,UG/L Microgram/Litre<br>POC0D0             | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| TOTAL TRIHALOMETHANES<br>X21THM,UG/L Microgram/Litre<br>POC0D0     | < 50KW    | < 50KW    | < 50KW    | < 50KW    | < 50KW    |
| ETHYLBENZENE<br>B2003P,UG/L Microgram/Litre<br>POC0D0              | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| ETHYLENE DIBROMIDE<br>X2EDB,UG/L Microgram/Litre<br>POC0D0         | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| P-XYLENE<br>B2004P,UG/L Microgram/Litre<br>POC0D0                  | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| M-XYLENE<br>B2005P,UG/L Microgram/Litre<br>POC0D0                  | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| BROMOFORM<br>X1015P,UG/L Microgram/Litre<br>POC0D0                 | < 2KW     | < 2KW     | < 2KW     | < 2KW     | < 2KW     |
| O-XYLENE<br>B2006P,UG/L Microgram/Litre<br>POC0D0                  | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| 1,1,2,2-TETRACHLOROETHANE<br>X1016P,UG/L Microgram/Litre<br>POC0D0 | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| 1,4-DICHLOROBENZENE<br>X2002P,UG/L Microgram/Litre<br>POC0D0       | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| 1,3-DICHLOROBENZENE<br>X2003P,UG/L Microgram/Litre<br>POC0D0       | < 1KW     | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| 1,2-DICHLOROBENZENE<br>X2004P,UG/L Microgram/Litre<br>POC0D0       | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| STYRENE<br>B2005P,UG/L Microgram/Litre<br>POC0D0                   | < 05KW    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |





Sample No. 1

Results

PRIORIT 1

DUO

Inquiries at BILL BERG / WALTER OFFENBACHER 235-5908  
Telephone 416-235-5907

| Field Sample Number | Sampling Location | Sampling Location Description | LAB Sample# | Remarks | Sampling Date | Time Zone |
|---------------------|-------------------|-------------------------------|-------------|---------|---------------|-----------|
| NOT GIVEN           |                   | NOT GIVEN                     | OP13-0058   |         | 27/03/90      | 5         |
| 58 CODE NOT GIVEN   |                   | NOT GIVEN                     | OP13-0059   |         | 27/03/90      | 5         |
| 59 CODE NOT GIVEN   |                   | NOT GIVEN                     | OP13-0060   |         | 27/03/90      | 5         |
| 60 CODE NOT GIVEN   |                   | NOT GIVEN                     | OP13-0061   |         | 27/03/90      | 5         |

| Field Sample Number                                                 | 56        | 58        | 59        | 60        |
|---------------------------------------------------------------------|-----------|-----------|-----------|-----------|
| Test Description                                                    | OP13-0058 | OP13-0059 | OP13-0060 | OP13-0061 |
| Code, Units of Measure                                              |           |           |           |           |
| Method                                                              |           |           |           |           |
| 1,1-DICHLOROETHYLENE<br>X1001P,UG/L Microgram/Litre<br>POC0D0       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| DICHLOROMETHANE<br>X1002P,UG/L Microgram/Litre<br>POC0D0            | < 5KW     | < 5KW     | < 5KW     | < 5KW     |
| TRANS-1,2-DICHLOROETHYLENE<br>X1003P,UG/L Microgram/Litre<br>POC0D0 | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| 1,1-DICHLOROMETHANE<br>X1004P,UG/L Microgram/Litre<br>POC0D0        | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| CHLOROFORM<br>X1005P,UG/L Microgram/Litre<br>POC0D0                 | 1KT       | < 1KW     | < 1KW     | < 1KW     |
| 1,1,1-TRICHLOROETHANE<br>X1006P,UG/L Microgram/Litre<br>POC0D0      | < 02KW    | < 02KW    | < 02KW    | < 02KW    |
| 1,2-DICHLOROETHANE<br>X1007P,UG/L Microgram/Litre<br>POC0D0         | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| CARBON TETRACHLORIDE<br>X1008P,UG/L Microgram/Litre<br>POC0D0       | < 2KW     | < 2KW     | < 2KW     | < 2KW     |
| BENZENE<br>B2001P,UG/L Microgram/Litre<br>POC0D0                    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| 1,2-DICHLOROPROPANE<br>X1009P,UG/L Microgram/Litre<br>POC0D0        | < 05KW    | < 05KW    | 11.20     | < 05KW    |
| TRICHLOROETHYLENE<br>X1010P,UG/L Microgram/Litre<br>POC0D0          | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| DICHLOROBROMOMETHANE<br>X1011P,UG/L Microgram/Litre<br>POC0D0       | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| TOLUENE<br>B2002P,UG/L Microgram/Litre<br>POC0D0                    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| 1,1,2-TRICHLOROETHANE<br>X1012P,UG/L Microgram/Litre<br>POC0D0      | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| CHLORODIBROMOMETHANE<br>X1013P,UG/L Microgram/Litre<br>POC0D0       | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| TETRACHLOROETHYLENE<br>X1014P,UG/L Microgram/Litre<br>POC0D0        | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| CHLOROBENZENE<br>X2001P,UG/L Microgram/Litre<br>POC0D0              | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| TOTAL TRIHALOMETHANES<br>X2TTHM,UG/L Microgram/Litre<br>POC0D0      | < 50KW    | < 50KW    | < 50KW    | < 50KW    |
| ETHYLBENZENE<br>B2003P,UG/L Microgram/Litre<br>POC0D0               | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| ETHYLENE DIBROMIDE<br>X2EDB,UG/L Microgram/Litre<br>POC0D0          | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| P-XYLENE<br>B2004P,UG/L Microgram/Litre<br>POC0D0                   | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| M-XYLENE<br>B2005P,UG/L Microgram/Litre<br>POC0D0                   | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| BROMOCHLOROMETHANE<br>X1015P,UG/L Microgram/Litre<br>POC0D0         | < 2KW     | < 2KW     | < 2KW     | < 2KW     |
| CHLOROBROMOMETHANE<br>X1016P,UG/L Microgram/Litre<br>POC0D0         | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| 1,1,1-TRICHLOROETHANE<br>X1017P,UG/L Microgram/Litre<br>POC0D0      | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| 1,1,2-TRICHLOROETHANE<br>X1018P,UG/L Microgram/Litre<br>POC0D0      | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| 1,2-DICHLOROETHANE<br>X1019P,UG/L Microgram/Litre<br>POC0D0         | < 1KW     | < 1KW     | < 1KW     | < 1KW     |
| 1,2-DICHLOROPROPANE<br>X1020P,UG/L Microgram/Litre<br>POC0D0        | < 05KW    | < 05KW    | < 05KW    | < 05KW    |
| STYRENE<br>B2006P,UG/L Microgram/Litre<br>POC0D0                    | < 05KW    | < 05KW    | < 05KW    | < 05KW    |

一、实验目的  
 1. 掌握...  
 2. 了解...  
 3. 熟悉...

| 序号 | 姓名   | 学号   | 成绩 | 备注 |
|----|------|------|----|----|
| 1  | 张三   | 1001 | 85 |    |
| 2  | 李四   | 1002 | 78 |    |
| 3  | 王五   | 1003 | 92 |    |
| 4  | 赵六   | 1004 | 65 |    |
| 5  | 孙七   | 1005 | 88 |    |
| 6  | 周八   | 1006 | 72 |    |
| 7  | 吴九   | 1007 | 95 |    |
| 8  | 郑十   | 1008 | 68 |    |
| 9  | 冯十一  | 1009 | 82 |    |
| 10 | 陈十二  | 1010 | 75 |    |
| 11 | 褚十三  | 1011 | 90 |    |
| 12 | 卫十四  | 1012 | 62 |    |
| 13 | 蒋十五  | 1013 | 87 |    |
| 14 | 沈十六  | 1014 | 70 |    |
| 15 | 张十七  | 1015 | 93 |    |
| 16 | 李十八  | 1016 | 67 |    |
| 17 | 王十九  | 1017 | 84 |    |
| 18 | 赵二十  | 1018 | 73 |    |
| 19 | 孙二十一 | 1019 | 91 |    |
| 20 | 周二十二 | 1020 | 69 |    |
| 21 | 吴二十三 | 1021 | 86 |    |
| 22 | 郑二十四 | 1022 | 71 |    |
| 23 | 冯二十五 | 1023 | 94 |    |
| 24 | 陈二十六 | 1024 | 66 |    |
| 25 | 褚二十七 | 1025 | 83 |    |
| 26 | 卫二十八 | 1026 | 74 |    |
| 27 | 蒋二十九 | 1027 | 96 |    |
| 28 | 沈三十  | 1028 | 64 |    |
| 29 | 张三十一 | 1029 | 89 |    |
| 30 | 李三十二 | 1030 | 76 |    |
| 31 | 王三十三 | 1031 | 97 |    |
| 32 | 赵三十四 | 1032 | 63 |    |
| 33 | 孙三十五 | 1033 | 81 |    |
| 34 | 周三十六 | 1034 | 77 |    |
| 35 | 吴三十七 | 1035 | 98 |    |
| 36 | 郑三十八 | 1036 | 61 |    |
| 37 | 冯三十九 | 1037 | 85 |    |
| 38 | 陈四十  | 1038 | 79 |    |
| 39 | 褚四十一 | 1039 | 99 |    |
| 40 | 卫四十二 | 1040 | 60 |    |
| 41 | 蒋四十三 | 1041 | 86 |    |
| 42 | 沈四十四 | 1042 | 72 |    |
| 43 | 张三十五 | 1043 | 95 |    |
| 44 | 李四十六 | 1044 | 68 |    |
| 45 | 王四十七 | 1045 | 83 |    |
| 46 | 赵四十八 | 1046 | 75 |    |
| 47 | 孙四十九 | 1047 | 92 |    |
| 48 | 周五十  | 1048 | 66 |    |
| 49 | 吴五十一 | 1049 | 87 |    |
| 50 | 郑五十二 | 1050 | 71 |    |



Sample Class:   
 PRIORITY ORGANICS

Results

Inquiries at BILL BERG / WALTER OFFENBA   
 Telephone 416-235-5907

| Field Sample Number | Sampling Location | Sampling Location Description | LAB Sample # | Remarks | S. Date | Time Zone |
|---------------------|-------------------|-------------------------------|--------------|---------|---------|-----------|
| 61 CODE NOT GIVEN   | NOT GIVEN         |                               | OP13-0062    |         | 27/01   | 90 S      |
| 63 CODE NOT GIVEN   |                   | 157 WILSON ST E ANCASTER      | OP13-0063    |         | 27/01   | 90 S      |
| 64 CODE NOT GIVEN   |                   | NOT GIVEN                     | OP13-0064    |         | 27/01   | 90 S      |
| 65 CODE NOT GIVEN   |                   | NOT GIVEN                     | OP13-0065    |         | 27/01   | 90 S      |

| Field Sample Number         | 61               | 63               | 64               | 65               |
|-----------------------------|------------------|------------------|------------------|------------------|
| Test Description            | OP13-0062        | OP13-0063        | OP13-0064        | OP13-0065        |
| Code                        | Code             | Code             | Code             | Code             |
| Units of Measure            | Units of Measure | Units of Measure | Units of Measure | Units of Measure |
| Method                      | Method           | Method           | Method           | Method           |
| 1,1-DICHLOROETHYLENE        | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| X1001P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| DICHLOROMETHANE             | < 5KW            | < 5KW            | < 5KW            | < 5KW            |
| X1002P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| TRANS-1,2-DICHLOROETHYLENE  | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| X1003P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,1-DICHLOROETHANE          | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| X1004P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| CHLOROFORM                  | < 1KW            | .2KT             | < 1KW            | < 1KW            |
| X1005P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,1,1-TRICHLOROETHANE       | < .02KW          | < .02KW          | < .02KW          | < .02KW          |
| X1006P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,2-DICHLOROETHANE          | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| X1007P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| CARBON TETRACHLORIDE        | < .2KW           | < .2KW           | < .2KW           | < .2KW           |
| X1008P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| BENZENE                     | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| B2001P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,2-DICHLOROPROPANE         | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| X1009P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| TRICHLOROETHYLENE           | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| X1010P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| DICHLORODIBROMOMETHANE      | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| X1011P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| TOLUENE                     | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| B2002P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,1,3-TRICHLOROETHANE       | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| X1012P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| CHLORODIBROMOMETHANE        | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| X1013P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| TETRACHLOROETHYLENE         | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| X1014P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| CHLOROBENZENE               | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| X2001P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| TOTAL TRIHALOMETHANES       | < .50KW          | < .50KW          | < .50KW          | < .50KW          |
| X21THM,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| ETHYLBENZENE                | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| B2003P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| ETHYLENE DIBROMIDE          | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| X2EDB,UG/L Microgram/Litre  |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| P-XYLENE                    | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| B2004P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| M-XYLENE                    | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| B2005P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| BROMOFORM                   | < .2KW           | < .2KW           | < .2KW           | < .2KW           |
| X1015P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| O-XYLENE                    | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| B2006P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,2-DICHLOROBENZENE         | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| X2001P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,4-DICHLOROBENZENE         | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| X2002P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,3-DICHLOROBENZENE         | < 1KW            | < 1KW            | < 1KW            | < 1KW            |
| X2003P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| 1,2-DICHLOROBENZENE         | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| X2004P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |
| STYRENE                     | < .05KW          | < .05KW          | < .05KW          | < .05KW          |
| B2005P,UG/L Microgram/Litre |                  |                  |                  |                  |
| P0C0D0                      |                  |                  |                  |                  |

Section 1: Introduction

Section 2: Methodology

Section 3: Results

Section 4: Discussion

Section 5: Conclusion

| Year | Q1    | Q2    | Q3    | Q4    | Annual Total |
|------|-------|-------|-------|-------|--------------|
| 2010 | 1000  | 1200  | 1100  | 1300  | 4600         |
| 2011 | 1100  | 1300  | 1200  | 1400  | 5000         |
| 2012 | 1200  | 1400  | 1300  | 1500  | 5400         |
| 2013 | 1300  | 1500  | 1400  | 1600  | 5800         |
| 2014 | 1400  | 1600  | 1500  | 1700  | 6200         |
| 2015 | 1500  | 1700  | 1600  | 1800  | 6600         |
| 2016 | 1600  | 1800  | 1700  | 1900  | 7000         |
| 2017 | 1700  | 1900  | 1800  | 2000  | 7400         |
| 2018 | 1800  | 2000  | 1900  | 2100  | 7800         |
| 2019 | 1900  | 2100  | 2000  | 2200  | 8200         |
| 2020 | 2000  | 2200  | 2100  | 2300  | 8600         |
| 2021 | 2100  | 2300  | 2200  | 2400  | 9000         |
| 2022 | 2200  | 2400  | 2300  | 2500  | 9400         |
| 2023 | 2300  | 2500  | 2400  | 2600  | 9800         |
| 2024 | 2400  | 2600  | 2500  | 2700  | 10200        |
| 2025 | 2500  | 2700  | 2600  | 2800  | 10600        |
| 2026 | 2600  | 2800  | 2700  | 2900  | 11000        |
| 2027 | 2700  | 2900  | 2800  | 3000  | 11400        |
| 2028 | 2800  | 3000  | 2900  | 3100  | 11800        |
| 2029 | 2900  | 3100  | 3000  | 3200  | 12200        |
| 2030 | 3000  | 3200  | 3100  | 3300  | 12600        |
| 2031 | 3100  | 3300  | 3200  | 3400  | 13000        |
| 2032 | 3200  | 3400  | 3300  | 3500  | 13400        |
| 2033 | 3300  | 3500  | 3400  | 3600  | 13800        |
| 2034 | 3400  | 3600  | 3500  | 3700  | 14200        |
| 2035 | 3500  | 3700  | 3600  | 3800  | 14600        |
| 2036 | 3600  | 3800  | 3700  | 3900  | 15000        |
| 2037 | 3700  | 3900  | 3800  | 4000  | 15400        |
| 2038 | 3800  | 4000  | 3900  | 4100  | 15800        |
| 2039 | 3900  | 4100  | 4000  | 4200  | 16200        |
| 2040 | 4000  | 4200  | 4100  | 4300  | 16600        |
| 2041 | 4100  | 4300  | 4200  | 4400  | 17000        |
| 2042 | 4200  | 4400  | 4300  | 4500  | 17400        |
| 2043 | 4300  | 4500  | 4400  | 4600  | 17800        |
| 2044 | 4400  | 4600  | 4500  | 4700  | 18200        |
| 2045 | 4500  | 4700  | 4600  | 4800  | 18600        |
| 2046 | 4600  | 4800  | 4700  | 4900  | 19000        |
| 2047 | 4700  | 4900  | 4800  | 5000  | 19400        |
| 2048 | 4800  | 5000  | 4900  | 5100  | 19800        |
| 2049 | 4900  | 5100  | 5000  | 5200  | 20200        |
| 2050 | 5000  | 5200  | 5100  | 5300  | 20600        |
| 2051 | 5100  | 5300  | 5200  | 5400  | 21000        |
| 2052 | 5200  | 5400  | 5300  | 5500  | 21400        |
| 2053 | 5300  | 5500  | 5400  | 5600  | 21800        |
| 2054 | 5400  | 5600  | 5500  | 5700  | 22200        |
| 2055 | 5500  | 5700  | 5600  | 5800  | 22600        |
| 2056 | 5600  | 5800  | 5700  | 5900  | 23000        |
| 2057 | 5700  | 5900  | 5800  | 6000  | 23400        |
| 2058 | 5800  | 6000  | 5900  | 6100  | 23800        |
| 2059 | 5900  | 6100  | 6000  | 6200  | 24200        |
| 2060 | 6000  | 6200  | 6100  | 6300  | 24600        |
| 2061 | 6100  | 6300  | 6200  | 6400  | 25000        |
| 2062 | 6200  | 6400  | 6300  | 6500  | 25400        |
| 2063 | 6300  | 6500  | 6400  | 6600  | 25800        |
| 2064 | 6400  | 6600  | 6500  | 6700  | 26200        |
| 2065 | 6500  | 6700  | 6600  | 6800  | 26600        |
| 2066 | 6600  | 6800  | 6700  | 6900  | 27000        |
| 2067 | 6700  | 6900  | 6800  | 7000  | 27400        |
| 2068 | 6800  | 7000  | 6900  | 7100  | 27800        |
| 2069 | 6900  | 7100  | 7000  | 7200  | 28200        |
| 2070 | 7000  | 7200  | 7100  | 7300  | 28600        |
| 2071 | 7100  | 7300  | 7200  | 7400  | 29000        |
| 2072 | 7200  | 7400  | 7300  | 7500  | 29400        |
| 2073 | 7300  | 7500  | 7400  | 7600  | 29800        |
| 2074 | 7400  | 7600  | 7500  | 7700  | 30200        |
| 2075 | 7500  | 7700  | 7600  | 7800  | 30600        |
| 2076 | 7600  | 7800  | 7700  | 7900  | 31000        |
| 2077 | 7700  | 7900  | 7800  | 8000  | 31400        |
| 2078 | 7800  | 8000  | 7900  | 8100  | 31800        |
| 2079 | 7900  | 8100  | 8000  | 8200  | 32200        |
| 2080 | 8000  | 8200  | 8100  | 8300  | 32600        |
| 2081 | 8100  | 8300  | 8200  | 8400  | 33000        |
| 2082 | 8200  | 8400  | 8300  | 8500  | 33400        |
| 2083 | 8300  | 8500  | 8400  | 8600  | 33800        |
| 2084 | 8400  | 8600  | 8500  | 8700  | 34200        |
| 2085 | 8500  | 8700  | 8600  | 8800  | 34600        |
| 2086 | 8600  | 8800  | 8700  | 8900  | 35000        |
| 2087 | 8700  | 8900  | 8800  | 9000  | 35400        |
| 2088 | 8800  | 9000  | 8900  | 9100  | 35800        |
| 2089 | 8900  | 9100  | 9000  | 9200  | 36200        |
| 2090 | 9000  | 9200  | 9100  | 9300  | 36600        |
| 2091 | 9100  | 9300  | 9200  | 9400  | 37000        |
| 2092 | 9200  | 9400  | 9300  | 9500  | 37400        |
| 2093 | 9300  | 9500  | 9400  | 9600  | 37800        |
| 2094 | 9400  | 9600  | 9500  | 9700  | 38200        |
| 2095 | 9500  | 9700  | 9600  | 9800  | 38600        |
| 2096 | 9600  | 9800  | 9700  | 9900  | 39000        |
| 2097 | 9700  | 9900  | 9800  | 10000 | 39400        |
| 2098 | 9800  | 10000 | 9900  | 10100 | 39800        |
| 2099 | 9900  | 10100 | 10000 | 10200 | 40200        |
| 2100 | 10000 | 10200 | 10100 | 10300 | 40600        |



Sampling Location  
Sample Description

1. Test Name  
 2. Test ID  
 3. Code  
 4. Method

| Chemical Name                  | Unit            | 1990   | 1991   | 1992   | 1993   | 1994   | 1995   |
|--------------------------------|-----------------|--------|--------|--------|--------|--------|--------|
| 1,1-DICHLOROETHANE             | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X1001P,UG/L                    | POC000          |        |        |        |        |        |        |
| DICHLORODIFLUOROMETHANE        | Microgram/Litre | < 5KW  | < 5KW  | < 5KW  | < 5KW  | < 5KW  | < 5KW  |
| X1002P,UG/L                    | POC000          |        |        |        |        |        |        |
| TRICHLOROETHYLENE              | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X1003P,UG/L                    | POC000          |        |        |        |        |        |        |
| 1,1-DICHLOROETHYLENE           | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X1004P,UG/L                    | POC000          |        |        |        |        |        |        |
| CHLORODIFLUOROMETHANE          | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X1005P,UG/L                    | POC000          |        |        |        |        |        |        |
| 1,1,1-TRICHLOROETHANE          | Microgram/Litre | < 02KW | < 02KW | < 02KW | < 02KW | < 02KW | < 02KW |
| X1006P,UG/L                    | POC000          |        |        |        |        |        |        |
| 1,2-DICHLOROETHANE             | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| X1007P,UG/L                    | POC000          |        |        |        |        |        |        |
| CARBON TETRACHLORIDE           | Microgram/Litre | < 2KW  | < 2KW  | < 2KW  | < 2KW  | < 2KW  | < 2KW  |
| X1008P,UG/L                    | POC000          |        |        |        |        |        |        |
| BENZENE                        | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| B2001P,UG/L                    | POC000          |        |        |        |        |        |        |
| 1,2-DICHLOROBENZENE            | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| X1009P,UG/L                    | POC000          |        |        |        |        |        |        |
| TRICHLOROETHYLENE              | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X1010P,UG/L                    | POC000          |        |        |        |        |        |        |
| DICHLOROBROMOMETHANE           | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| X1011P,UG/L                    | POC000          |        |        |        |        |        |        |
| TOLUENE                        | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| B2002P,UG/L                    | POC000          |        |        |        |        |        |        |
| 1,1,2-TRICHLOROETHANE          | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| X1012P,UG/L                    | POC000          |        |        |        |        |        |        |
| CHLORODIBROMOMETHANE           | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X1013P,UG/L                    | POC000          |        |        |        |        |        |        |
| TETRACHLOROETHYLENE            | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| X1014P,UG/L                    | POC000          |        |        |        |        |        |        |
| CHLOROBENZENE                  | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X2001P,UG/L                    | POC000          |        |        |        |        |        |        |
| TOTAL CHLORINATED HYDROCARBONS | Microgram/Litre | < 50KW | < 50KW | < 50KW | < 50KW | < 50KW | < 50KW |
| X2000P,UG/L                    | POC000          |        |        |        |        |        |        |
| ETHYL BENZENE                  | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| B2003P,UG/L                    | POC000          |        |        |        |        |        |        |
| ETHYL BENZENE                  | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| X2002P,UG/L                    | POC000          |        |        |        |        |        |        |
| 1,4-DICHLOROBENZENE            | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X2003P,UG/L                    | POC000          |        |        |        |        |        |        |
| 1,3-DICHLOROBENZENE            | Microgram/Litre | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  | < 1KW  |
| X2004P,UG/L                    | POC000          |        |        |        |        |        |        |
| 1,2-DICHLOROBENZENE            | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| X2005P,UG/L                    | POC000          |        |        |        |        |        |        |
| STYRENE                        | Microgram/Litre | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW | < 05KW |
| B2008P,UG/L                    | POC000          |        |        |        |        |        |        |

| Date |            | Time  |       | Location |       | Remarks |       |
|------|------------|-------|-------|----------|-------|---------|-------|
| 1    | 10/10/2020 | 10:00 | 10:15 | 10:30    | 10:45 | 11:00   | 11:15 |
| 2    | 10/10/2020 | 10:15 | 10:30 | 10:45    | 11:00 | 11:15   | 11:30 |
| 3    | 10/10/2020 | 10:30 | 10:45 | 11:00    | 11:15 | 11:30   | 11:45 |
| 4    | 10/10/2020 | 10:45 | 11:00 | 11:15    | 11:30 | 11:45   | 12:00 |
| 5    | 10/10/2020 | 11:00 | 11:15 | 11:30    | 11:45 | 12:00   | 12:15 |
| 6    | 10/10/2020 | 11:15 | 11:30 | 11:45    | 12:00 | 12:15   | 12:30 |
| 7    | 10/10/2020 | 11:30 | 11:45 | 12:00    | 12:15 | 12:30   | 12:45 |
| 8    | 10/10/2020 | 11:45 | 12:00 | 12:15    | 12:30 | 12:45   | 13:00 |
| 9    | 10/10/2020 | 12:00 | 12:15 | 12:30    | 12:45 | 13:00   | 13:15 |
| 10   | 10/10/2020 | 12:15 | 12:30 | 12:45    | 13:00 | 13:15   | 13:30 |
| 11   | 10/10/2020 | 12:30 | 12:45 | 13:00    | 13:15 | 13:30   | 13:45 |
| 12   | 10/10/2020 | 12:45 | 13:00 | 13:15    | 13:30 | 13:45   | 14:00 |
| 13   | 10/10/2020 | 13:00 | 13:15 | 13:30    | 13:45 | 14:00   | 14:15 |
| 14   | 10/10/2020 | 13:15 | 13:30 | 13:45    | 14:00 | 14:15   | 14:30 |
| 15   | 10/10/2020 | 13:30 | 13:45 | 14:00    | 14:15 | 14:30   | 14:45 |
| 16   | 10/10/2020 | 13:45 | 14:00 | 14:15    | 14:30 | 14:45   | 15:00 |
| 17   | 10/10/2020 | 14:00 | 14:15 | 14:30    | 14:45 | 15:00   | 15:15 |
| 18   | 10/10/2020 | 14:15 | 14:30 | 14:45    | 15:00 | 15:15   | 15:30 |
| 19   | 10/10/2020 | 14:30 | 14:45 | 15:00    | 15:15 | 15:30   | 15:45 |
| 20   | 10/10/2020 | 14:45 | 15:00 | 15:15    | 15:30 | 15:45   | 16:00 |
| 21   | 10/10/2020 | 15:00 | 15:15 | 15:30    | 15:45 | 16:00   | 16:15 |
| 22   | 10/10/2020 | 15:15 | 15:30 | 15:45    | 16:00 | 16:15   | 16:30 |
| 23   | 10/10/2020 | 15:30 | 15:45 | 16:00    | 16:15 | 16:30   | 16:45 |
| 24   | 10/10/2020 | 15:45 | 16:00 | 16:15    | 16:30 | 16:45   | 17:00 |
| 25   | 10/10/2020 | 16:00 | 16:15 | 16:30    | 16:45 | 17:00   | 17:15 |
| 26   | 10/10/2020 | 16:15 | 16:30 | 16:45    | 17:00 | 17:15   | 17:30 |
| 27   | 10/10/2020 | 16:30 | 16:45 | 17:00    | 17:15 | 17:30   | 17:45 |
| 28   | 10/10/2020 | 16:45 | 17:00 | 17:15    | 17:30 | 17:45   | 18:00 |
| 29   | 10/10/2020 | 17:00 | 17:15 | 17:30    | 17:45 | 18:00   | 18:15 |
| 30   | 10/10/2020 | 17:15 | 17:30 | 17:45    | 18:00 | 18:15   | 18:30 |
| 31   | 10/10/2020 | 17:30 | 17:45 | 18:00    | 18:15 | 18:30   | 18:45 |
| 32   | 10/10/2020 | 17:45 | 18:00 | 18:15    | 18:30 | 18:45   | 19:00 |
| 33   | 10/10/2020 | 18:00 | 18:15 | 18:30    | 18:45 | 19:00   | 19:15 |
| 34   | 10/10/2020 | 18:15 | 18:30 | 18:45    | 19:00 | 19:15   | 19:30 |
| 35   | 10/10/2020 | 18:30 | 18:45 | 19:00    | 19:15 | 19:30   | 19:45 |
| 36   | 10/10/2020 | 18:45 | 19:00 | 19:15    | 19:30 | 19:45   | 20:00 |
| 37   | 10/10/2020 | 19:00 | 19:15 | 19:30    | 19:45 | 20:00   | 20:15 |
| 38   | 10/10/2020 | 19:15 | 19:30 | 19:45    | 20:00 | 20:15   | 20:30 |
| 39   | 10/10/2020 | 19:30 | 19:45 | 20:00    | 20:15 | 20:30   | 20:45 |
| 40   | 10/10/2020 | 19:45 | 20:00 | 20:15    | 20:30 | 20:45   | 21:00 |
| 41   | 10/10/2020 | 20:00 | 20:15 | 20:30    | 20:45 | 21:00   | 21:15 |
| 42   | 10/10/2020 | 20:15 | 20:30 | 20:45    | 21:00 | 21:15   | 21:30 |
| 43   | 10/10/2020 | 20:30 | 20:45 | 21:00    | 21:15 | 21:30   | 21:45 |
| 44   | 10/10/2020 | 20:45 | 21:00 | 21:15    | 21:30 | 21:45   | 22:00 |
| 45   | 10/10/2020 | 21:00 | 21:15 | 21:30    | 21:45 | 22:00   | 22:15 |
| 46   | 10/10/2020 | 21:15 | 21:30 | 21:45    | 22:00 | 22:15   | 22:30 |
| 47   | 10/10/2020 | 21:30 | 21:45 | 22:00    | 22:15 | 22:30   | 22:45 |
| 48   | 10/10/2020 | 21:45 | 22:00 | 22:15    | 22:30 | 22:45   | 23:00 |
| 49   | 10/10/2020 | 22:00 | 22:15 | 22:30    | 22:45 | 23:00   | 23:15 |
| 50   | 10/10/2020 | 22:15 | 22:30 | 22:45    | 23:00 | 23:15   | 23:30 |
| 51   | 10/10/2020 | 22:30 | 22:45 | 23:00    | 23:15 | 23:30   | 23:45 |
| 52   | 10/10/2020 | 22:45 | 23:00 | 23:15    | 23:30 | 23:45   | 24:00 |
| 53   | 10/10/2020 | 23:00 | 23:15 | 23:30    | 23:45 | 24:00   | 24:15 |
| 54   | 10/10/2020 | 23:15 | 23:30 | 23:45    | 24:00 | 24:15   | 24:30 |
| 55   | 10/10/2020 | 23:30 | 23:45 | 24:00    | 24:15 | 24:30   | 24:45 |
| 56   | 10/10/2020 | 23:45 | 24:00 | 24:15    | 24:30 | 24:45   | 25:00 |
| 57   | 10/10/2020 | 24:00 | 24:15 | 24:30    | 24:45 | 25:00   | 25:15 |
| 58   | 10/10/2020 | 24:15 | 24:30 | 24:45    | 25:00 | 25:15   | 25:30 |
| 59   | 10/10/2020 | 24:30 | 24:45 | 25:00    | 25:15 | 25:30   | 25:45 |
| 60   | 10/10/2020 | 24:45 | 25:00 | 25:15    | 25:30 | 25:45   | 26:00 |
| 61   | 10/10/2020 | 25:00 | 25:15 | 25:30    | 25:45 | 26:00   | 26:15 |
| 62   | 10/10/2020 | 25:15 | 25:30 | 25:45    | 26:00 | 26:15   | 26:30 |
| 63   | 10/10/2020 | 25:30 | 25:45 | 26:00    | 26:15 | 26:30   | 26:45 |
| 64   | 10/10/2020 | 25:45 | 26:00 | 26:15    | 26:30 | 26:45   | 27:00 |
| 65   | 10/10/2020 | 26:00 | 26:15 | 26:30    | 26:45 | 27:00   | 27:15 |
| 66   | 10/10/2020 | 26:15 | 26:30 | 26:45    | 27:00 | 27:15   | 27:30 |
| 67   | 10/10/2020 | 26:30 | 26:45 | 27:00    | 27:15 | 27:30   | 27:45 |
| 68   | 10/10/2020 | 26:45 | 27:00 | 27:15    | 27:30 | 27:45   | 28:00 |
| 69   | 10/10/2020 | 27:00 | 27:15 | 27:30    | 27:45 | 28:00   | 28:15 |
| 70   | 10/10/2020 | 27:15 | 27:30 | 27:45    | 28:00 | 28:15   | 28:30 |
| 71   | 10/10/2020 | 27:30 | 27:45 | 28:00    | 28:15 | 28:30   | 28:45 |
| 72   | 10/10/2020 | 27:45 | 28:00 | 28:15    | 28:30 | 28:45   | 29:00 |
| 73   | 10/10/2020 | 28:00 | 28:15 | 28:30    | 28:45 | 29:00   | 29:15 |
| 74   | 10/10/2020 | 28:15 | 28:30 | 28:45    | 29:00 | 29:15   | 29:30 |
| 75   | 10/10/2020 | 28:30 | 28:45 | 29:00    | 29:15 | 29:30   | 29:45 |
| 76   | 10/10/2020 | 28:45 | 29:00 | 29:15    | 29:30 | 29:45   | 30:00 |
| 77   | 10/10/2020 | 29:00 | 29:15 | 29:30    | 29:45 | 30:00   | 30:15 |
| 78   | 10/10/2020 | 29:15 | 29:30 | 29:45    | 30:00 | 30:15   | 30:30 |
| 79   | 10/10/2020 | 29:30 | 29:45 | 30:00    | 30:15 | 30:30   | 30:45 |
| 80   | 10/10/2020 | 29:45 | 30:00 | 30:15    | 30:30 | 30:45   | 31:00 |
| 81   | 10/10/2020 | 30:00 | 30:15 | 30:30    | 30:45 | 31:00   | 31:15 |
| 82   | 10/10/2020 | 30:15 | 30:30 | 30:45    | 31:00 | 31:15   | 31:30 |
| 83   | 10/10/2020 | 30:30 | 30:45 | 31:00    | 31:15 | 31:30   | 31:45 |
| 84   | 10/10/2020 | 30:45 | 31:00 | 31:15    | 31:30 | 31:45   | 32:00 |
| 85   | 10/10/2020 | 31:00 | 31:15 | 31:30    | 31:45 | 32:00   | 32:15 |
| 86   | 10/10/2020 | 31:15 | 31:30 | 31:45    | 32:00 | 32:15   | 32:30 |
| 87   | 10/10/2020 | 31:30 | 31:45 | 32:00    | 32:15 | 32:30   | 32:45 |
| 88   | 10/10/2020 | 31:45 | 32:00 | 32:15    | 32:30 | 32:45   | 33:00 |
| 89   | 10/10/2020 | 32:00 | 32:15 | 32:30    | 32:45 | 33:00   | 33:15 |
| 90   | 10/10/2020 | 32:15 | 32:30 | 32:45    | 33:00 | 33:15   | 33:30 |
| 91   | 10/10/2020 | 32:30 | 32:45 | 33:00    | 33:15 | 33:30   | 33:45 |
| 92   | 10/10/2020 | 32:45 | 33:00 | 33:15    | 33:30 | 33:45   | 34:00 |
| 93   | 10/10/2020 | 33:00 | 33:15 | 33:30    | 33:45 | 34:00   | 34:15 |
| 94   | 10/10/2020 | 33:15 | 33:30 | 33:45    | 34:00 | 34:15   | 34:30 |
| 95   | 10/10/2020 | 33:30 | 33:45 | 34:00    | 34:15 | 34:30   | 34:45 |
| 96   | 10/10/2020 | 33:45 | 34:00 | 34:15    | 34:30 | 34:45   | 35:00 |
| 97   | 10/10/2020 | 34:00 | 34:15 | 34:30    | 34:45 | 35:00   | 35:15 |
| 98   | 10/10/2020 | 34:15 | 34:30 | 34:45    | 35:00 | 35:15   | 35:30 |
| 99   | 10/10/2020 | 34:30 | 34:45 | 35:00    | 35:15 | 35:30   | 35:45 |
| 100  | 10/10/2020 | 34:45 | 35:00 | 35:15    | 35:30 | 35:45   | 36:00 |



Sample Class OP

Results

PRIORITY ORGANICS D40

Inquiries at BILL BERG / WALTER OFFENBACHER 235-5908  
Telephone 416-235-5907

| Sample            | Sampling Location | Sampling Location Description<br>Sample Description | LAB<br>Sample# | Remarks | Sampling<br>Date | Time Zone |
|-------------------|-------------------|-----------------------------------------------------|----------------|---------|------------------|-----------|
| 73 CODE NOT GIVEN |                   | <del>OP14-0114</del>                                |                |         | 02/04/90         | 5         |
| 74 CODE NOT GIVEN |                   | HILLGROVE                                           | OP14-0114      |         | 02/04/90         | 5         |
|                   |                   | <del>OP14-0115</del>                                | OP14-0115      |         |                  |           |

| Field Sample Number<br>Test Description<br>Code, Units of Measure<br>Method | 73<br>OP14-0114 | 74<br>OP14-0115 |
|-----------------------------------------------------------------------------|-----------------|-----------------|
| 1,1-DICHLOROETHYLENE<br>X1001P,UG/L Microgram/Litre<br>POC0D0               | < .1KW          | < .1KW          |
| DICHLOROMETHANE<br>X1002P,UG/L Microgram/Litre<br>POC0D0                    | < .5KW          | < .5KW          |
| TRANS-1,2-DICHLOROETHYLENE<br>X1003P,UG/L Microgram/Litre<br>POC0D0         | < .1KW          | < .1KW          |
| 1,1-DICHLOROETHANE<br>X1004P,UG/L Microgram/Litre<br>POC0D0                 | < .1KW          | < .1KW          |
| CHLOROFORM<br>X1005P,UG/L Microgram/Litre<br>POC0D0                         | < .1KW          | 5.2             |
| 1,1,1-TRICHLOROETHANE<br>X1006P,UG/L Microgram/Litre<br>POC0D0              | < .02KW         | < .02KW         |
| 1,2-DICHLOROETHANE<br>X1007P,UG/L Microgram/Litre<br>POC0D0                 | < .05KW         | < .05KW         |
| CARBON TETRACHLORIDE<br>X1008P,UG/L Microgram/Litre<br>POC0D0               | < .2KW          | < .2KW          |
| BENZENE<br>B2001P,UG/L Microgram/Litre<br>POC0D0                            | < .05KW         | < .05KW         |
| 1,2-DICHLOROPROPANE<br>X1009P,UG/L Microgram/Litre<br>POC0D0                | < .05KW         | < .05KW         |
| TRICHLOROETHYLENE<br>X1010P,UG/L Microgram/Litre<br>POC0D0                  | < .1KW          | < .1KW          |
| DICHLOROBROMOMETHANE<br>X1011P,UG/L Microgram/Litre<br>POC0D0               | < .05KW         | < .05KW         |
| TOLUENE<br>B2002P,UG/L Microgram/Litre<br>POC0D0                            | < .05KW         | < .05KW         |
| 1,1,2-TRICHLOROETHANE<br>X1012P,UG/L Microgram/Litre<br>POC0D0              | < .05KW         | < .05KW         |
| CHLORODIBROMOMETHANE<br>X1013P,UG/L Microgram/Litre<br>POC0D0               | < .1KW          | < .1KW          |
| TETRACHLOROETHYLENE<br>X1014P,UG/L Microgram/Litre<br>POC0D0                | < .05KW         | < .05KW         |
| CHLOROBENZENE<br>X2001P,UG/L Microgram/Litre<br>POC0D0                      | < .1KW          | < .1KW          |
| TOTAL TRIHALOMETHANES<br>X2011M,UG/L Microgram/Litre<br>POC0D0              | < .50KW         | 5.20            |
| ETHYLBENZENE<br>B2003P,UG/L Microgram/Litre<br>POC0D0                       | < .05KW         | < .05KW         |
| ETHYLENE DIBROMIDE<br>X2008P,UG/L Microgram/Litre<br>POC0D0                 | < .05KW         | < .05KW         |
| P-XYLENE<br>B2004P,UG/L Microgram/Litre<br>POC0D0                           | < .1KW          | < .1KW          |
| M-XYLENE<br>B2005P,UG/L Microgram/Litre<br>POC0D0                           | < .1KW          | < .1KW          |
| BROMOFORM<br>X1015P,UG/L Microgram/Litre<br>POC0D0                          | < .2KW          | < .2KW          |
| O-XYLENE<br>B2006P,UG/L Microgram/Litre<br>POC0D0                           | < .05KW         | < .05KW         |
| 1,1,2,2-TETRACHLOROETHANE<br>X1016P,UG/L Microgram/Litre<br>POC0D0          | < .05KW         | < .05KW         |
| 1,4-DICHLOROBENZENE<br>X2002P,UG/L Microgram/Litre<br>POC0D0                | < .1KW          | < .1KW          |
| 1,3-DICHLOROBENZENE<br>X2003P,UG/L Microgram/Litre<br>POC0D0                | < .1KW          | < .1KW          |
| 1,1-DICHLOROETHYLENE<br>X2004P,UG/L Microgram/Litre<br>POC0D0               | < .05KW         | < .05KW         |
| STYRENE<br>B2008P,UG/L Microgram/Litre<br>POC0D0                            | < .05KW         | < .05KW         |





TABLE 10

WENTWORTH COUNTY 68

| MUNICIPALITY<br>CONCESSION<br>ETC | LOT | UTM<br>WELL<br>NO | EASTING<br>NORTHING | ELEV<br>FEET      | DATE | DRILLER | CSG<br>DIA | KIND<br>OF | WATER<br>INS | STAT<br>LVL | PUMP<br>LVL | TEST<br>RATE | TEST<br>TIME | WATER<br>HR/MN | USE   | OWNER/LOG/SCREEN<br>DEPTHS IN FEET TO WHICH<br>FORMATIONS EXTEND                                                                     |
|-----------------------------------|-----|-------------------|---------------------|-------------------|------|---------|------------|------------|--------------|-------------|-------------|--------------|--------------|----------------|-------|--------------------------------------------------------------------------------------------------------------------------------------|
|                                   |     |                   |                     |                   |      |         |            |            |              |             |             |              |              |                |       |                                                                                                                                      |
| CON                               | 5   | 13                | 68-<br>2764         | 584436<br>4799205 | 860  | 09/50   | 4002       | 6          | FR           | 90          | 30          |              | 5/00         |                | D0    | BLORE RUSSEL<br>CLAY 0040 QSND 0082 LMSN 0090                                                                                        |
| CON                               | 5   | 13                | 68-<br>2765         | 584486<br>4799099 | 860  | 02/55   | 4208       | 6          | FR           | 85          | 25          | 50           | 13           | 1/00           | D0    | HIGHAM ERNEST<br>PRDG 0020 MSND 0080 LMSN 0087                                                                                       |
| CON                               | 5   | 13                | 68-<br>2766         | 584441<br>4799137 | 860  | 11/55   | 4208       | 6          | FR           | 87          | 28          | 35           | 17           | 1/00           | D0    | WILSON B<br>PRDG 0030 MSND 0086 LMSN 0089                                                                                            |
| CON                               | 5   | 13                | 68-<br>2767         | 584538<br>4799009 | 855  | 05/62   | 4208       | 6          | FR           | 68          | 27          | 50           | 15           | 1/00           | ST D0 | GOODBRAND NEIL<br>CLAY MSND 0020 MSND 0066 SHLE 0068                                                                                 |
| CON                               | 6   | 13                | 68-<br>2807         | 584396<br>4799240 | 860  | 03/62   | 2309       | 6          | FR           | 78          | 42          |              | 4            | 1/00           | D0    | PATRICK ALLEN<br>TPSL MSND 0012 STNS MSND 0039 MSND STNS<br>0078                                                                     |
| CON                               | 6   | 13                | 68-<br>2808         | 584283<br>4799307 | 860  | 04/53   | 4002       | 6          | FR           | 94          | 38          | 76           | 11           | 4/00           | C0    | ALDERSON DOWNY<br>QSND 0086 LMSN 0096                                                                                                |
| CON                               | 6   | 13                | 68-<br>2812         | 584046<br>4799548 | 870  | 02/64   | 1205       | 6          | FR           | 92          | 36          | 40           | 15           | 1/00           | D0    | CUMMINS HOWARD<br>PRDG 0030 QSND CLAY SILT 0088 GREY LMSN<br>0094                                                                    |
| CON                               | 6   | 13                | 68-<br>2814         | 584383<br>4799217 | 870  | 10/65   | 4208       | 6          | FR           | 88          | 35          | 40           | 30           | 1/00           | D0    | SHANCHELLA QUINTO<br>CLAY MSND 0087 LMSN 0089                                                                                        |
| CON                               | 6   | 13                | 68-<br>2815         | 584156<br>4799423 | 870  | 11/65   | 5417       | 6          | FR           | 86          | 38          | 50           | 25           | 1/00           | D0    | FEKETE FRANK<br>BRWN TPSL MSND 0058 GREY CLAY 0082 GREY<br>LMSN 0088                                                                 |
| CON                               | 6   | 13                | 68-<br>7828         | 584360<br>4799180 | 870  | 06/71   | 4005       | 6          | FR           | 82          | 28          | 35           | 30           | 3/00           | D0    | SRANCHELLA QUINTO<br>BRWN MSND 0080 GREY LMSN 0085                                                                                   |
| CON                               | 6   | 13                | 68-<br>9935         | 584220<br>4799440 | 865  | 05/79   | 4005       | 6          | FR           | 85          | 30          | 50           | 30           | 3/00           | IR    | CHEUNG W<br>BRWN CLAY SNDY LOOS 0051 GREY CLAY SNDY<br>LOOS 0065 GREY CLAY LOOS 0071 GRFY SAND<br>GRVL LOOS 0083 GREY LMSN HARD 0100 |





TABLE 10

WENTWORTH COUNTY 68

| MUNICIPALITY<br>CONCESSION<br>ETC | LOT | WELL<br>NO | UTM<br>EASTING<br>NORTHING | ELEV<br>FEET | DATE  | DRILLER | CSG<br>DIA | KIND<br>OF INS | WATER<br>FEET | STAT<br>LVL | PUMP<br>LVL | TEST<br>RATE<br>GPM | TEST<br>TIME<br>HR/MN | WATER<br>USE | OWNER/LOG/SCREEN<br>DEPTHS IN FEET TO WHICH<br>FORMATIONS EXTEND                                                                       |
|-----------------------------------|-----|------------|----------------------------|--------------|-------|---------|------------|----------------|---------------|-------------|-------------|---------------------|-----------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------|
| CON                               | 5   | 13         | 68- 584436<br>2764 4799205 | 860          | 09/50 | 4002    | 6          | FR             | 90            | 30          |             | 5/00                | D0                    |              | BLORE RUSSEL<br>CLAY 0040 QSND 0088 LMSN 0090                                                                                          |
| CON                               | 5   | 13         | 68- 584486<br>2765 4799099 | 860          | 02/55 | 4208    | 6          | FR             | 85            | 25          | 50          | 13                  | 1/00                  | D0           | HIGHAM ERNEST<br>PRDG 0020 MSND 0080 LMSN 0087                                                                                         |
| CON                               | 5   | 13         | 68- 584441<br>2766 4799137 | 860          | 11/55 | 4208    | 6          | FR             | 87            | 28          | 35          | 17                  | 1/00                  | D0           | WILSON B<br>PRDG 0030 MSND 0086 LMSN 0089                                                                                              |
| CON                               | 5   | 13         | 68- 584538<br>2767 4799009 | 855          | 05/62 | 4208    | 6          | FR             | 68            | 27          | 50          | 15                  | 1/00                  | ST D0        | GOODBRAND NEIL<br>CLAY MSND 0020 MSND 0066 SHLE 0068                                                                                   |
| CON                               | 6   | 13         | 68- 584396<br>2807 4799240 | 860          | 03/62 | 2309    | 6          | FR             | 78            | 42          |             | 4                   | 1/00                  | D0           | PATRICK ALLEN<br>TPSL MSND 0012 STNS MSND 0039 MSND STNS<br>0078                                                                       |
| CON                               | 6   | 13         | 68- 584283<br>2808 4799307 | 860          | 04/53 | 4002    | 6          | FR             | 94            | 38          | 76          | 11                  | 4/00                  | C0           | ALDERSON DOWDY<br>QSND 0086 LMSN 0096                                                                                                  |
| CON                               | 6   | 13         | 68- 584046<br>2812 4799548 | 870          | 02/64 | 1205    | 6          | FR             | 92            | 36          | 40          | 15                  | 1/00                  | D0           | CUMMINS HOWARD<br>PRDG 0030 QSND CLAY SILT 0088 GREY LMSN<br>0094                                                                      |
| CON                               | 6   | 13         | 68- 584383<br>2814 4799217 | 870          | 10/65 | 4208    | 6          | FR             | 88            | 35          | 40          | 30                  | 1/00                  | D0           | SHANCHELLA QUINTO<br>CLAY MSND 0087 LMSN 0089                                                                                          |
| CON                               | 6   | 13         | 68- 584156<br>2815 4799423 | 870          | 11/65 | 5417    | 6          | FR             | 86            | 38          | 50          | 25                  | 1/00                  | D0           | FEKETE FRANK<br>BRWN TPSL MSND 0058 GREY CLAY 0082 GREY<br>LMSN 0088                                                                   |
| CON                               | 6   | 13         | 68- 584360<br>7828 4799180 | 870          | 06/71 | 4005    | 6          | FR             | 82            | 28          | 35          | 30                  | 3/00                  | D0           | SBRANCHELLA QUINTO<br>BRWN MSND 0080 GREY LMSN 0085                                                                                    |
| CON                               | 6   | 13         | 68- 584220<br>9935 4799440 | 865          | 05/79 | 4005    | 6          | FR             | 85            | 30          | 50          | 30                  | 3/00                  | IR           | CHEUNG W<br>BRWN CLAY SNDRY LOOS 0051 GREY CLAY SNDRY<br>LOOS 0065 GREY CLAY LOOS 0071 GRFY SAND<br>GRVL LOOS 0083 GREY LMSN HARD 0100 |





UTM 5 R 0850 N

681 No 2263

Elev 4 R 0850

The Ontario Water Resources Commission Act

Basin 24

## WATER WELL RECORD

County or District WestonTownship, Village, Town or City E. FlamboroughCon. 5Lot 12Date completed 30 Aug 62Owner L. Butterwick

(print in block letters)

Address 1122 Hamilton

## Casing and Screen Record

Inside diameter of casing 6 1/4Total length of casing 70Type of screen —Length of screen —Depth to top of screen —Diameter of finished hole 6 1/4

## Pumping Test

Static level 23Test-pumping rate 24 G.P.M.Pumping level 35Duration of test pumping 1 hrWater clear or cloudy at end of test clearRecommended pumping rate 5 G.P.M.with pump setting of 50 feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

|                     | From ft.  | To ft.    | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|---------------------|-----------|-----------|----------------------------------|---------------------------------------|
| <u>dry well</u>     | <u>0</u>  | <u>20</u> | <u>71</u>                        | <u>fresh</u>                          |
| <u>loamy clay</u>   | <u>20</u> | <u>35</u> |                                  |                                       |
| <u>clay soil</u>    | <u>35</u> | <u>45</u> |                                  |                                       |
| <u>hard (brown)</u> | <u>45</u> | <u>70</u> |                                  |                                       |
| <u>LINE Rock</u>    | <u>70</u> | <u>73</u> |                                  |                                       |

For what purpose(s) is the water to be used?

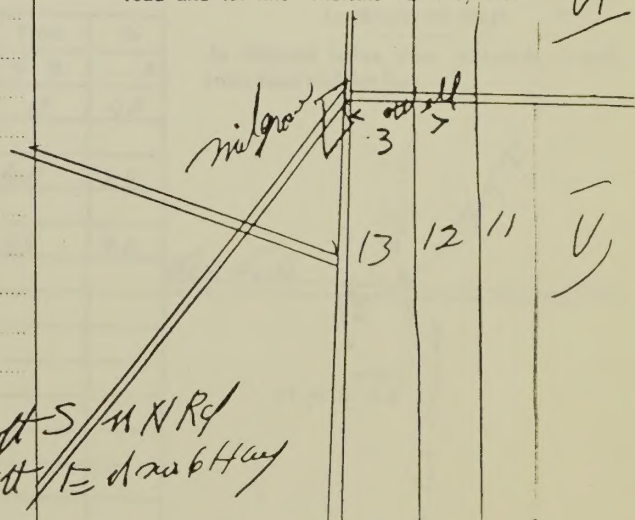
houseIs well on upland, in valley, or on hillside? uplandDrilling or Boring Firm W. PackhamAddress SmithvilleLicence Number 420Name of Driller or Borer W. PackhamAddress SmithvilleDate Aug 30/62Wesley Packham  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.

70 ft S. W. Rd  
850 ft E. Lot Line











505

1922

Flourens East

Milgrove

Hornumton KR 2

### Pumping Test

25

810 g/p hr

20

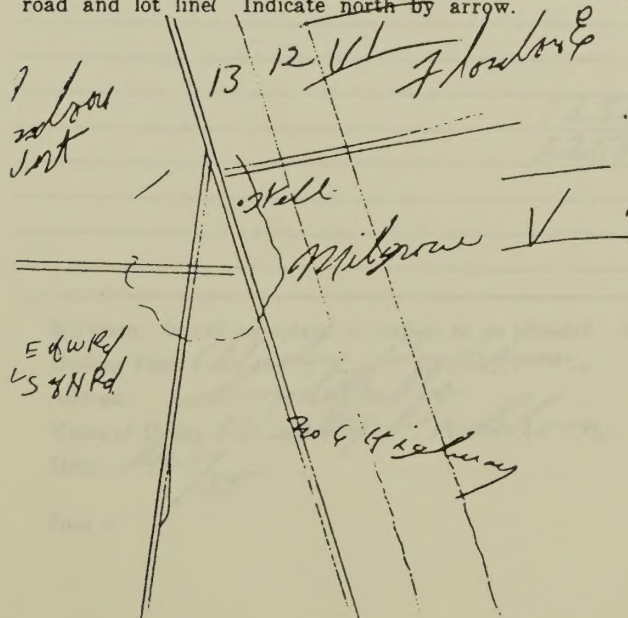
1 hr.

### Water Record

|    |    |       |
|----|----|-------|
| 85 | 40 | fresh |
|----|----|-------|

B. W.

et indicate north by arrow.













UTM

5 R



Elev. 4 R 0855

The Ontario Water Resources Commission Act

Basin 24

## WATER WELL RECORD

County or District

Con.

Lot 13

Owner

Wentworth  
Neil Goodland  
(print in block letters)

Township, Village, Town or City

Date completed

Address

68 N<sup>o</sup> 27901  
ONTARIO WATER  
RESOURCES COMMISSION  
C. A. Lombard  
31 May 62  
RR #2 Hamilton

## Casing and Screen Record

Inside diameter of casing

Total length of casing

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

6 1/4  
66  
—  
—  
—  
6 1/4

## Pumping Test

Static level

Test-pumping rate

Pumping level

Duration of test pumping

Water clear or cloudy at end of test

Recommended pumping rate

with pump setting of

27  
15  
50  
1 hr  
coming down  
10

G.P.M.

G.P.M.

feet below ground surface

## Well Log

## Overburden and Bedrock Record

Sandy clay  
Sand  
Shale RockFrom  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sulfur)

0

20

68

fresh

20

66

66

68

For what purpose(s) is the water to be used?

Home and Barn needs

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm

Address

Licence Number

Name of Driller or Borer

Address

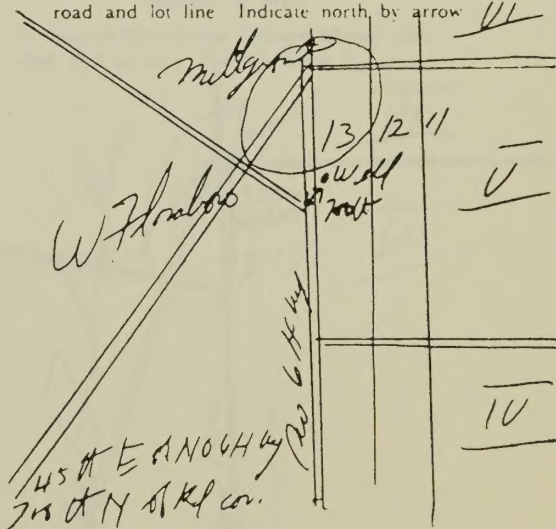
Date

(Signature of Licensed Drilling or Boring Contractor)

Form 7 5M-61-3852

OWRC COPY

## Location of Well

In diagram below show distances of well from  
road and lot line. Indicate north by arrow.





UTM

5 R

N



68 No

2772

Elev. 4 R 0 48 3 0

The Ontario Water Resources Commission Act

Basin 24

## WATER WELL RECORD

County or District

Kesteven

Township, Village, Town or City

E Florence

Con.

5

Plot 13

Date completed

27

Oct

66

Owner

Neil Seabrook

(print name of owner)

Address

RR2 Hamilton

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4

Total length of casing

60

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

6 1/4

Static level

6

Test-pumping rate

30

G.P.M.

Pumping level

50

Duration of test pumping

1 hr

Water clear or cloudy at end of test

clear

Recommended pumping rate

10

G.P.M.

with pump setting of

50

feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

Sandy clay

0

60

62

fresh

Shale, limestone rock

60

45

For what purpose(s) is the water to be used?

house

Is well on upland, in valley, or on hillside?

upland

Drilling or Boring Firm

W Pakhom

Address

RR2 Arcaster

Licence Number

1986

Name of Driller or Borer

W Pakhom

Address

Arcaster

Date

Oct 27/86

(Signature of Licensed Drilling or Boring Contractor)

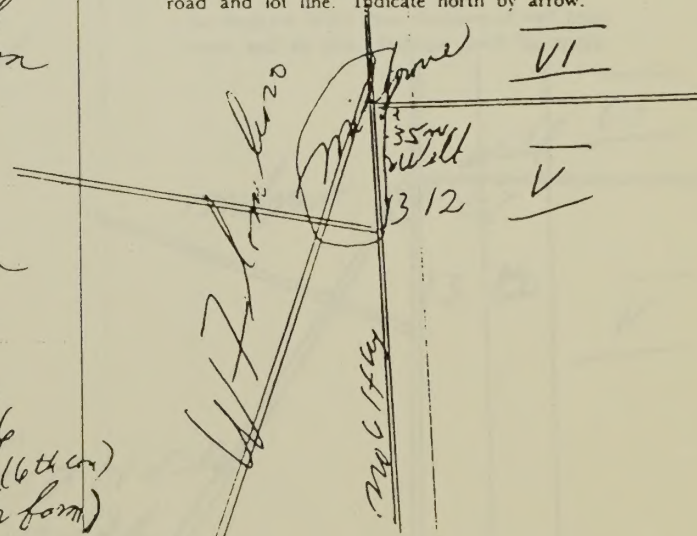
Form 7 15M-60-4138

OWRC COPY

8 RTH E A Hwy 6  
1200 AS ON Rd (6th con)  
(a new house for farm)

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







UTM

5 R

E

N



GROUND WATER BRANCH

SEP 12 1962

No. 2802

ONTARIO WATER  
RESOURCES COMMISSION

Elev.

4 R 0859

The Ontario Water Resources Commission Act

Basin

24

## WATER WELL RECORD

County or District

Wentworth

Township, Village, Town or City

C Flamboro

Con.

6

Lot

12

Date completed

28

(day)

Aug

(month)

62

(year)

Owner

Georg Passmore  
(print in block letters)

Address

218 Macaulay St. E.  
Hamilton

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4

Total length of casing

75

Type of screen

—

Length of screen

—

Depth to top of screen

—

Diameter of finished hole

6 1/4

Static level

30

Test-pumping rate

24

G.P.M.

Pumping level

50

Duration of test pumping

1 hr

Water clear or cloudy at end of test

clear

Recommended pumping rate

4

G.P.M.

with pump setting of 50 to 60 feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

|                  | From<br>ft. | To<br>ft. | Depth(s) at<br>which water(s)<br>found | Kind of water<br>(fresh, salty,<br>sulphur) |
|------------------|-------------|-----------|----------------------------------------|---------------------------------------------|
| Sandy clay       | 0           | 25        | 76                                     | fresh                                       |
| silt clay (grey) | 25          | 50        |                                        |                                             |
| Sand             | 50          | 75        |                                        |                                             |
| LIME Rock        | 75          | 78        |                                        |                                             |
|                  |             |           |                                        |                                             |
|                  |             |           |                                        |                                             |
|                  |             |           |                                        |                                             |
|                  |             |           |                                        |                                             |

For what purpose(s) is the water to be used?

house

Is well on upland, in valley, or on hillside?

upland

Drilling or Boring Firm

W. Pockton

Address

Smithville

Licence Number

420

Name of Driller or Borer

W. Pockton

Address

Smithville

Date

Aug 28/62

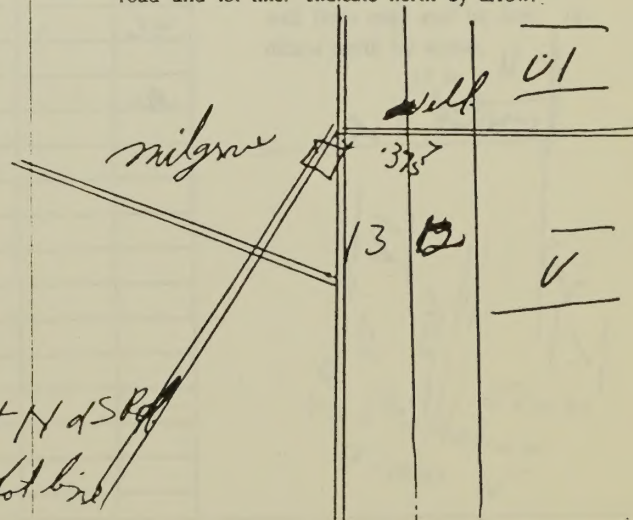
Wesley Pockton

(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

## Location of Well

In diagram below show distances of well from  
road and lot line. Indicate north by arrow.75 ft N d S Rd  
near 1/2 lot line





GEOLOGICAL BRANCH  
DEPARTMENT OF MINES

Department of Mines, Province of Ontario

1. *Significatio* et *trans*

County or Territorial District... Humboldt Township, Village, Town or City... Methuen  
Con... VII Lot. 13 Street and Number (if in Village, Town or City).....  
Owner... Arthur R. Buterick Address.....  
Date Completed. 25 novel 1961 Cost of Well (excluding pump).  
(day) (month) (year)

### Pumping Test

|                                                  |       |                                                      |                |
|--------------------------------------------------|-------|------------------------------------------------------|----------------|
| Casing diameter(s).....                          | 6" 4" | Date.....                                            | March 25, 1952 |
| Length(s) of casing(s).....                      | 12'   | Static level.....                                    | 42             |
| Type of screen.....                              |       | Pumping level.....                                   |                |
| Length of screen.....                            |       | Pumping rate.....                                    | 4 gal min      |
| Distance from top of screen to ground level..... |       | Duration of test.....                                | 1 hr           |
| Is well a gravel-wall type?.....                 | no    | Distance from cylinder or bowls to ground level..... |                |

### Water Record

| Kind (fresh or mineral) .....                                            | Depth(s)<br>to Water<br>Horizon(s) | Kind of<br>Water | No. of Feet<br>Water Rises |
|--------------------------------------------------------------------------|------------------------------------|------------------|----------------------------|
| Quality (hard, soft, contains iron, sulphur, etc.) .....                 |                                    |                  |                            |
| Appearance (clear, cloudy, coloured) .....                               | 78'                                | Good             | 36                         |
| For what purpose(s) is the water to be used? .....                       |                                    |                  |                            |
| .....                                                                    |                                    |                  |                            |
| How far is well from possible source of contamination? .....             |                                    |                  |                            |
| What is the source of contamination? .....                               |                                    |                  |                            |
| Enclose a copy of any mineral analysis that has been made of water ..... |                                    |                  |                            |

## Well Log

[illegible]

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.

dicat north by arrow.

1st 2 N  
No 6 Highway

1/3 12  
75-  
275-  
FLHM  
NO 6 HIGHWAY  
FLHM

Situation: Is well on upland, in valley, or on hillside? *on hillside*  
 Drilling Firm *None*  
 Address *House 55 Aspen Ave*  
 Name of Driller *S. Gill* Address *Hamilton*  
 Date *Mar 25 1952* Licence Number *3*

Signature of Licensee





Signature of Licensee







68 N<sup>o</sup> 2811  
ONTARIO WATER  
RESOURCES COMMISSION

Elev. 4<sup>R</sup> 0839

The Ontario Water Resources Commission Act

Basin 24

# WATER WELL RECORD

County or District *Wentworth*

Township, Village, Town or City *C F London*

Con. 6 Lot 13

Date completed 2 June 62

Owner *Albert Structural Steel*  
(print in block letters)

Address *Box 88 Milgrove*

| Casing and Screen Record  |              | Pumping Test                         |                                     |
|---------------------------|--------------|--------------------------------------|-------------------------------------|
| Inside diameter of casing | <i>6 1/4</i> | Static level                         | <i>8</i>                            |
| Total length of casing    | <i>41</i>    | Test-pumping rate                    | <i>24</i> G.P.M.                    |
| Type of screen            | —            | Pumping level                        | <i>10</i>                           |
| Length of screen          | —            | Duration of test pumping             | <i>1 hr</i>                         |
| Depth to top of screen    | —            | Water clear or cloudy at end of test | <i>clear</i>                        |
| Diameter of finished hole | <i>6 1/4</i> | Recommended pumping rate             | <i>4</i> G.P.M.                     |
|                           |              | with pump setting of                 | <i>20</i> feet below ground surface |

| Well Log                      |           |           | Water Record                     |                                       |
|-------------------------------|-----------|-----------|----------------------------------|---------------------------------------|
| Overburden and Bedrock Record | From ft.  | To ft.    | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
| <i>Soft clay (sandy)</i>      | <i>0</i>  | <i>41</i> | <i>42</i>                        | <i>fresh</i>                          |
| <i>Shale Rock</i>             | <i>41</i> | <i>43</i> |                                  |                                       |
|                               |           |           |                                  |                                       |
|                               |           |           |                                  |                                       |
|                               |           |           |                                  |                                       |
|                               |           |           |                                  |                                       |

For what purpose(s) is the water to be used?  
*Shop needs*

Is well on upland, in valley, or on hillside?  
*valley*

Drilling or Boring Firm *W Packham*

Address *Smithville*

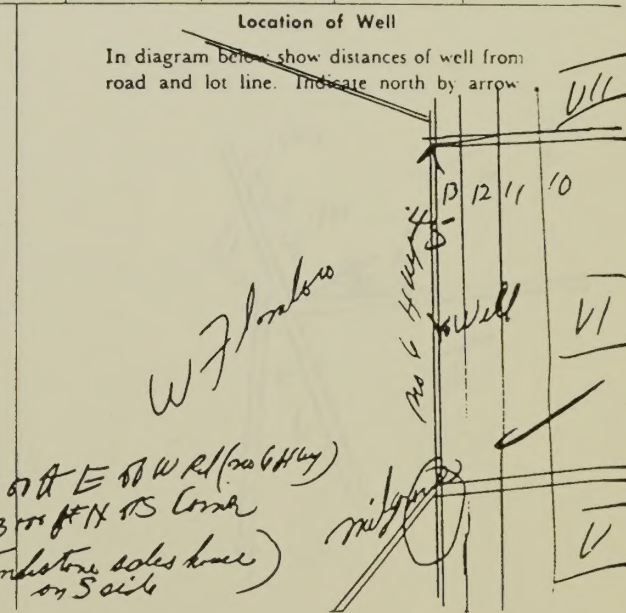
Licence Number *420*

Name of Driller or Borer *W Packham*

Address *Smithville*

Date *June 2/62*

*Wesley Packham*  
(Signature of Licensed Drilling or Boring Contractor)



Form 7 5M-61-3852

OWRC COPY

*201 E of W Rd (no 6 Hwy)*  
*app 300 ft N of corner*  
*(beside home stone poles house)*  
*on S side*











Elev. 4<sup>R</sup> 0870 The Ontario Water Resources Commission Act

## Basin 24 WATER WELL RECORD

County or District

Wentworth

Township, Village, Town or City

Con

Lot 13

Date completed

18

Owner

Quinto Shonchella

Address

1 Beta St

Hamilton

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4

Total length of casing

87

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

6 1/4

Static level

35

Test-pumping rate

30

G.P.M.

Pumping level

40

Duration of test pumping

1 hr

Water clear or cloudy at end of test

clear

Recommended pumping rate

10

G.P.M.

with pump setting of 50 to 80 feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

From  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sulphur)

Sandy clay

0

87

88

fresh

Bed Rock

87

89

For what purpose is the water to be used?

house

Is well on upland, in valley, or on hillside?

upland

Drilling or Boring Firm

W. Packham

Address

Smithville

Licence Number

1674

Name of Driller or Borer

W. Packham

Address

Smithville

Date

Oct 18/65

(Signature of Licensed Drilling or Boring Contractor)

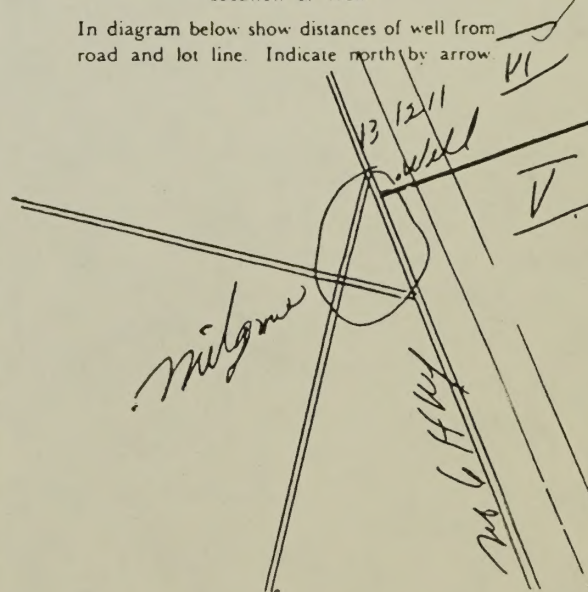
Form 7 15M-60-4138

OWRC COPY

Old white wood house  
1st one E of Hwy 6 on Hailo  
60 ft N of Rd (connection Rd)  
20 ft E of Hwy 6

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.









Elev. 4 R 0835

The Ontario Water Resources Commission Act

Basin 24

# WATER WELL RECORD

County or District Wentworth

Township, Village, Town or City West Flamboro

Con. 4 Lot 17

Date completed 14 Sept. 66  
(day) (month) (year)

Owner Fred Carter  
(print in block letters)

Address P.O. Millgrove, Ont.

## Casing and Screen Record

## Pumping Test

Inside diameter of casing 6 1/4"  
Total length of casing 58'-9"  
Type of screen —  
Length of screen —  
Depth to top of screen —  
Diameter of finished hole 6 1/4"

Static level 27'  
Test-pumping rate 6 G.P.M.  
Pumping level 54'  
Duration of test pumping 45 min  
Water clear or cloudy at end of test Clear  
Recommended pumping rate 4 G.P.M.  
with pump setting of 62 feet below ground surface

## Well Log

## Water Record

| Overburden and Bedrock Record | From ft.  | To ft.     | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|-------------------------------|-----------|------------|----------------------------------|---------------------------------------|
| <u>Gravelly Brown Sand</u>    | <u>0</u>  | <u>5-8</u> |                                  |                                       |
| <u>Grey Limestone</u>         | <u>58</u> | <u>68</u>  | <u>66</u>                        | <u>Fresh</u>                          |
|                               |           |            |                                  |                                       |
|                               |           |            |                                  |                                       |
|                               |           |            |                                  |                                       |
|                               |           |            |                                  |                                       |
|                               |           |            |                                  |                                       |
|                               |           |            |                                  |                                       |
|                               |           |            |                                  |                                       |

For what purpose(s) is the water to be used?

Home

Is well on upland, in valley, or on hillside? Upland

Drilling or Boring Firm G. J. Wallis

Address RR #2  
Stoney Creek

Licence Number 2113

Name of Driller or Borer Same

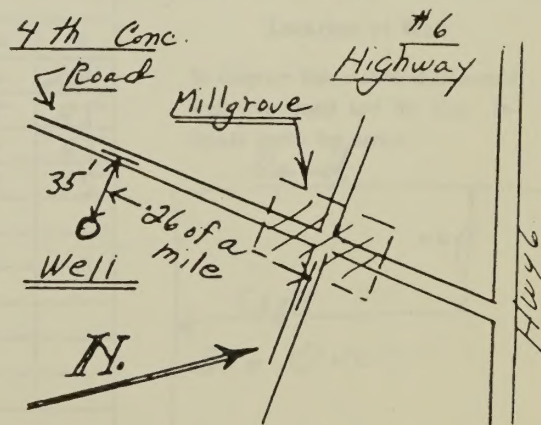
Address Sept 14/66  
George J. Wallis  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow







GEOLOGICAL BRANCH  
DEPARTMENT OF MINES

# Water Well Record

### Pumping Test

## Water Record

Well Log

Overburden and Bedrock Record

From

To

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.

Road

50 ft

40 ft

See Over.

Lot done

Signature of Licensee







Elev.

5 R 28.32

The Ontario Water Resources Commission Act

Basin

24

# WATER WELL RECORD

County or District

WENTWORTH

Township, Village, Town or City

W. FLAMBORO

Con.

10

Lot

18

Date completed

24

June 1965

Owner

J VAN HOEVE CONST.  
RONALD SHAW  
(print in block letters)

MILGROVE

Address

MILGROVE

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6"

Total length of casing

60' 2"

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

6"

Static level

8'

Test-pumping rate

2

G.P.M.

Pumping level

bottom

Duration of test pumping

3 hours

Water clear or cloudy at end of test

Cloudy

Recommended pumping rate

2

G.P.M.

with pump setting of

68

feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

From  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sulphur)

light brown sand

0

32

sand and some gravel

32

49

63

quick sand

49

59

fresh

limestone

59

70

For what purpose(s) is the water to be used?

domestic

Is well on upland, in valley, or on hillside?

upland

Drilling or Boring Firm

J B Ruttan

Address

Milton R.R. 2

Licence Number

1765

Name of Driller or Borer

Address

same

Date

June 29, 1965

Burtan Ruttan

(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

## Location of Well

In diagram below show distances of well from  
road and lot line. Indicate north by arrow

TV Con

TV Con

2 ft

1100' MILGROVE

MILGROVE

LOT 18 LOT 19





5<sup>R</sup>  
Elev. 4<sup>R</sup> 6820  
Basin 24 18

The Ontario Water Resources Commission Act

# WATER WELL RECORD

68 No. 6388

County or District *Wentworth*  
Con. *4* Lot *18*  
Owner *Walter Kolhberger*  
(print in block letters)

Township, Village, Town or City *West Flamboro*  
Date completed *6* *Oct.* *65*  
(day month year)  
Address *RR #2 Dundas.*

## Casing and Screen Record

Inside diameter of casing *6 1/4"*  
Total length of casing *60-10"*  
Type of screen *—*  
Length of screen *—*  
Depth to top of screen *—*  
Diameter of finished hole *5"*

## Pumping Test

Static level *7'*  
Test-pumping rate *25* G.P.M.  
Pumping level *20*  
Duration of test pumping *45 min*  
Water clear or cloudy at end of test *clear*  
Recommended pumping rate *10* G.P.M.  
with pump setting of *50* feet below ground surface

## Well Log

### Overburden and Bedrock Record

*Br. Sandy soil & gravel*  
*Grey clay-heavy sand & gravel*  
*Grey Limestone*

From  
ft.

To  
ft.

Depth(s) at  
which water(s)  
found

Kind of water  
(fresh, salty,  
sulphur)

*0*

*33*

*33*

*59*

*59*

*63*

*62*

*Fresh*

For what purpose(s) is the water to be used?

*Home*

Is well on upland, in valley, or on hillside?

*Upland*

Drilling or Boring Firm

*G. J. Wallis*

Address

*RR #2 Stoney  
Creek*

Licence Number

*1779*

Name of Driller or Borer

*Same*

Address

Date

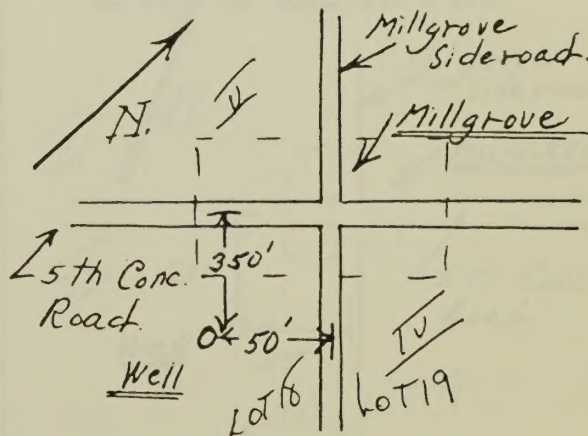
*Oct. 6/65*  
*George J. Wallis*  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow



WATER WELL RECORD

| DATE | TIME  | WELL NO. | DEPTH | WATER LEVEL | WIND | TEMP. | REMARKS |
|------|-------|----------|-------|-------------|------|-------|---------|
| 1954 | 10:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 11:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 11:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 12:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 12:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 13:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 13:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 14:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 14:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 15:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 15:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 16:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 16:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 17:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 17:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 18:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 18:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 19:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 19:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 20:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 20:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 21:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 21:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 22:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 22:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 23:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 23:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 24:00 | 10       | 10    | 10          | 10   | 10    | 10      |

| DATE | TIME  | WELL NO. | DEPTH | WATER LEVEL | WIND | TEMP. | REMARKS |
|------|-------|----------|-------|-------------|------|-------|---------|
| 1954 | 10:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 11:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 11:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 12:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 12:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 13:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 13:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 14:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 14:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 15:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 15:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 16:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 16:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 17:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 17:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 18:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 18:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 19:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 19:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 20:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 20:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 21:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 21:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 22:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 22:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 23:00 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 23:30 | 10       | 10    | 10          | 10   | 10    | 10      |
| 1954 | 24:00 | 10       | 10    | 10          | 10   | 10    | 10      |

OWB CO.





Co. 5 R. 10  
 Elev. 4 8 2 0  
 Basin 24

The Ontario Water Resources Commission Act

# WATER WELL RECORD

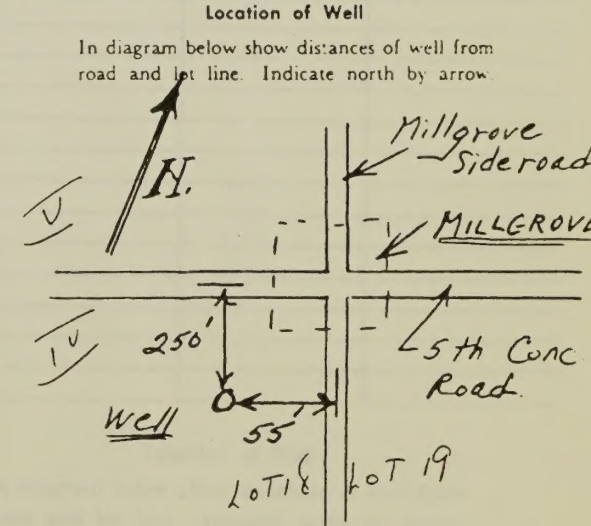
County or District Wentworth  
 Con. 10 Lot 18  
 Owner Walter Kolbberger  
(print in block letters)

Township, Village, Town or City West Famboro  
 Date completed 1 Dec 65  
(day month year)  
 Address RR #2, Dundas

| Casing and Screen Record  |               | Pumping Test                         |                                     |
|---------------------------|---------------|--------------------------------------|-------------------------------------|
| Inside diameter of casing | <u>6 1/4"</u> | Static level                         | <u>8'</u>                           |
| Total length of casing    | <u>61'</u>    | Test-pumping rate                    | <u>3/4</u> G.P.M.                   |
| Type of screen            | <u>—</u>      | Pumping level                        | <u>20'</u>                          |
| Length of screen          | <u>—</u>      | Duration of test pumping             | <u>45 min</u>                       |
| Depth to top of screen    | <u>—</u>      | Water clear or cloudy at end of test | <u>clear</u>                        |
| Diameter of finished hole | <u>6 1/4"</u> | Recommended pumping rate             | <u>10</u> G.P.M.                    |
|                           |               | with pump setting of                 | <u>50</u> feet below ground surface |

| Well Log                      |             |           | Water Record                           |                                             |
|-------------------------------|-------------|-----------|----------------------------------------|---------------------------------------------|
| Overburden and Bedrock Record | From<br>ft. | To<br>ft. | Depth(s) at<br>which water(s)<br>found | Kind of water<br>(fresh, salty,<br>sulphur) |
| Br. Sandy Soil                | 0           | 25        |                                        |                                             |
| Grey Clay Gravelly            | 25          | 59½       |                                        |                                             |
| Grey Limestone                | 59½         | 63½       | 62                                     | Fresh                                       |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |

For what purpose(s) is the water to be used? Home  
 Is well on upland, in valley, or on hillside? Upland  
 Drilling or Boring Firm G. J. Wallis  
 Address RR #2  
Stoney Creek  
 Licence Number 1779  
 Name of Driller or Borer Same  
 Address Dec. 1/65  
 Date George J. Wallis  
(Signature of Licensed Drilling or Boring Contractor)  
 Form 7 15M-60-4138







UTM 12

5<sup>th</sup> RECEIVED  
 Elev. 4 8 3 0



68- No. 16891

Basin 243 10INTERNATIONAL WATER SUPPLY  
LIMITED

The Water-well Drillers Act, 1954

Department of Mines

ANS.

Con. 14  
 Lot 19

## Water-Well Record

County or Territorial District Aveningworth Township, Village, Town or City West FlamboroughCon. 4 Lot 19 Street and Number (if in Village, Town or City) 1Owner West Flamborough Twp. Address 1Date completed 1 March 1960  
(day) (month) (year)

## Pipe and Casing Record

## Pumping Test

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Casing diameter(s) <u>10"</u> | Static level <u>0'-9" above ground level</u> |
| Length(s) <u>57'-0"</u>       | Pumping rate <u>105 L.P.M.</u>               |
| Type of screen                | Pumping level <u>3.5'</u>                    |
| Length of screen              | Duration of test <u>24 hours</u>             |

Well Log 24

## Water Record

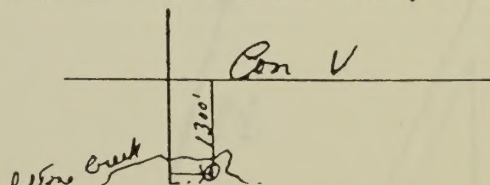
| Overburden and Bedrock Record         | From<br>ft. | To<br>ft.   | Depth (s)<br>at which<br>water (s)<br>found | No. of feet<br>water rises | Kind of water<br>(fresh, salty,<br>or sulphur) |
|---------------------------------------|-------------|-------------|---------------------------------------------|----------------------------|------------------------------------------------|
| <u>Top Soil</u>                       | <u>0'</u>   | <u>2'</u>   | <u>54'</u>                                  | <u>54'-9"</u>              | <u>Fresh</u>                                   |
| <u>Loose clay boulders very heavy</u> | <u>2'</u>   | <u>6'</u>   |                                             |                            |                                                |
| <u>dry clay stone</u>                 | <u>6'</u>   | <u>46'</u>  |                                             |                            |                                                |
| <u>light brown shale</u>              | <u>46'</u>  | <u>54'</u>  |                                             |                            |                                                |
| <u>hard grey limestone</u>            | <u>54'</u>  | <u>72'</u>  |                                             |                            |                                                |
| <u>hard light grey limestone</u>      | <u>72'</u>  | <u>123'</u> |                                             |                            |                                                |
| <u>Dark Brown shale</u>               | <u>123'</u> | <u>125'</u> |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |
|                                       |             |             |                                             |                            |                                                |

For what purpose(s) is the water to be used?

Mun. W-SupplyIs water clear or cloudy? CloudyIs well on upland, in valley, or on hillside? ValleyDrilling firm International Water SupplyAddress 123 Mainland StLondon Ont.Name of Driller T. R. L.

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







Elev. 4<sup>R</sup> | 0 | 8 | 2 | 0 |  
Basin 24 |     |     |     |     |  
*(over)*           
L + 19



The Ontario Water Resources Commission Act, 1957

# WATER WELL RECORD

County or District Wentworth Township, Village, Town or City West Flamboro  
 Con. 4 Lot 19 Date completed 17 <sup>(day)</sup> Feb <sup>(month)</sup> 61 <sup>(year)</sup>  
 Owner Mr. William Pradeus Address 104 Homeside Ave, Steady Creek  
 (print in block letters)

### Casing and Screen Record

### Pumping Test

|                                 |        |
|---------------------------------|--------|
| Inside diameter of casing ..... | 6 1/4" |
| Total length of casing .....    | 63'-2" |
| Type of screen .....            | —      |
| Length of screen .....          | —      |
| Depth to top of screen .....    | —      |
| Diameter of finished hole ..... | 6 1/4" |

|                                      |         |        |
|--------------------------------------|---------|--------|
| Static level                         | 12'     |        |
| Test-pumping rate                    | 25      | G.P.M. |
| Pumping level                        | 40'     |        |
| Duration of test pumping             | 45 min. |        |
| Water clear or cloudy at end of test | Clear   |        |
| Recommended pumping rate             | 15      | G.P.M. |
| with pumping level of                | 30      |        |

## Well Log

### Water Record

[illegible]

For what purpose(s) is the water to be used?

Domestic & Restaurant

Is well on upland, in valley, or on hillside?

Upland.

Drilling Firm George J. Wallis

Address RR #5

Hamilton

Licence Number.....629

Name of Driller.....*Same*.....

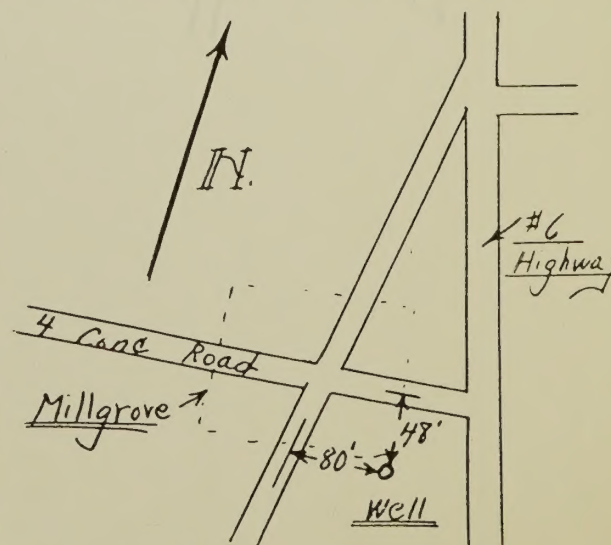
Address

Date Feb. 17/61

George J. Walker  
(Signature of Licensed Drilling Contractor)

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.









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6394

Elev. 4 R 0/8/30

The Ontario Water Resources Commission Act

Basin 24

# WATER WELL RECORD

County or District Wentworth Township, Village, Town or City West Famboro  
 Con. 4 Lot 19 Date completed 30 March 64  
 Owner Mr. Walter Kohlberger Address R R # 2, Dundas  
(print in block letters)

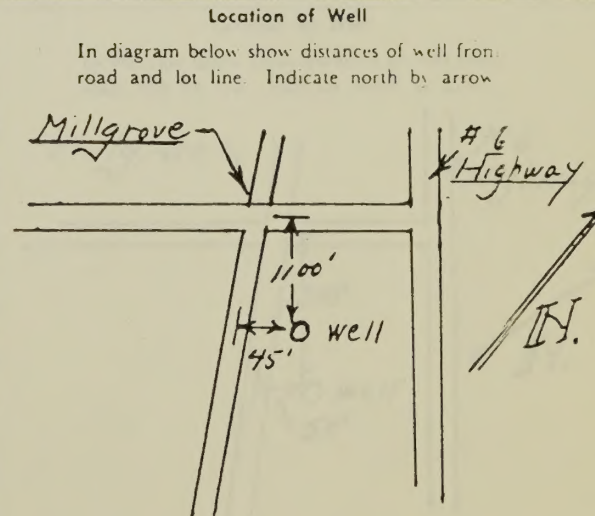
| Casing and Screen Record  |               | Pumping Test                         |                           |
|---------------------------|---------------|--------------------------------------|---------------------------|
| Inside diameter of casing | <u>6 1/4"</u> | Static level                         | <u>12'</u>                |
| Total length of casing    | <u>70' 6"</u> | Test-pumping rate                    | <u>20</u> G.P.M.          |
| Type of screen            | <u>—</u>      | Pumping level                        | <u>65'</u>                |
| Length of screen          | <u>—</u>      | Duration of test pumping             | <u>40 min</u>             |
| Depth to top of screen    | <u>—</u>      | Water clear or cloudy at end of test | <u>Clear</u>              |
| Diameter of finished hole | <u>6 1/4"</u> | Recommended pumping rate             | <u>15</u> G.P.M.          |
|                           |               | with pump setting of <u>70</u>       | feet below ground surface |

| Well Log                        |           | Water Record |                                  |
|---------------------------------|-----------|--------------|----------------------------------|
| Overburden and Bedrock Record   | From ft.  | To ft.       | Depth(s) at which water(s) found |
| <u>Light Bt. Clay</u>           | <u>0</u>  | <u>8</u>     |                                  |
| <u>Sandy Grey Clay</u>          | <u>8</u>  | <u>16</u>    |                                  |
| <u>Grey Runny Sand</u>          | <u>16</u> | <u>30</u>    |                                  |
| <u>Reddish Runny Sand</u>       | <u>30</u> | <u>41</u>    |                                  |
| <u>Red Sand &amp; Grey Clay</u> | <u>41</u> | <u>68</u>    |                                  |
| <u>Grey clay</u>                | <u>68</u> | <u>75</u>    | <u>73</u> <u>Fresh</u>           |

For what purpose(s) is the water to be used? Home  
 Is well on upland, in valley, or on hillside? Upland  
 Drilling or Boring Firm D. J. Wallis  
 Address R R # 2  
Stony Creek  
 Licence Number 1318  
 Name of Driller or Borer Same  
 Address  
 Date April 10/64  
Debye J. Wallis  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY



WATER WELL RECORD

Blank form with faint grid lines and bleed-through text from the reverse side.



UTM

68 No  
JUL 27 1964

6895

Elev. 4 0830

The Ontario Water Resources Commission Act

Basin 24

## WATER WELL RECORD

County or District WentworthTownship, Village, Town or City West AltonCon 4 Lot 19Date completed 1 April 64  
(day month year)Owner Walter Kohlberger  
(print in block letters)Address RR #2, Dundas

## Casing and Screen Record

## Pumping Test

Inside diameter of casing 6 1/4"  
 Total length of casing 72'  
 Type of screen —  
 Length of screen —  
 Depth to top of screen —  
 Diameter of finished hole 6 1/4"

Static level 13'  
 Test-pumping rate 20 G.P.M.  
 Pumping level 50'  
 Duration of test pumping 40 min.  
 Water clear or cloudy at end of test Clear  
 Recommended pumping rate 15 G.P.M.  
 with pump setting of 65 feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

From  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sugary)

|                                           |           |           |           |              |
|-------------------------------------------|-----------|-----------|-----------|--------------|
| <u>Light Grey Clay</u>                    | <u>0</u>  | <u>12</u> |           |              |
| <u>Sandy Grey Clay</u>                    | <u>12</u> | <u>25</u> |           |              |
| <u>Brownish Grey Sand</u>                 | <u>25</u> | <u>35</u> |           |              |
| <u>Grey Clay &amp; Red Sand</u>           | <u>35</u> | <u>60</u> |           |              |
| <u>Sand &amp; Brown clay streaks</u>      | <u>60</u> | <u>69</u> |           |              |
| <u>fine Gravel &amp; broken limestone</u> | <u>69</u> | <u>72</u> | <u>69</u> | <u>Fresh</u> |

For what purpose(s) is the water to be used?

HomeIs well on upland, in valley, or on hillside? UplandDrilling or Boring Firm G. J. WallisAddress RR #2  
Stony CreekLicence Number 1318Name of Driller or Borer Same

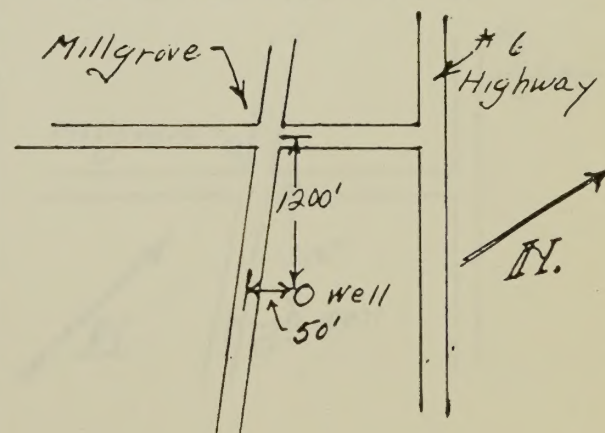
Address

Date April 10/64George J. Wallis  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

## Location of Well

In diagram below show distances of well from  
road and lot line. Indicate north by arrow





UTM

5


 DEC No 1963  
 ONTARIO WATER  
 RESOURCES COMMISSION

Elev. Co. 4 R. 10 8 30

The Ontario Water Resources Commission Act

Basin 12 49

## WATER WELL RECORD

County or District

Wentworth

Township, Village, Town or City

West Flamboro

Con.

4

Lot

19

Date completed

29

July

64

Owner

Walter Kohlberger  
(Print in block letters)

Address

RR # 2, Dundas

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4"

Total length of casing

69'-1"

Type of screen

—

Length of screen

—

Depth to top of screen

—

Diameter of finished hole

6 1/4"

Static level

13'

Test-pumping rate

20

G.P.M.

Pumping level

20

Duration of test pumping

40 min.

Water clear or cloudy at end of test

clear

Recommended pumping rate

10

G.P.M.

with pump setting of

60

feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

From  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sulfur)
 Br. Sandy Soil  
 Sand & Gravelly Grey clay  
 Red sand & Grey clay  
 Gravelly Grey clay  
 Blotch Limestone

0

15

15

40

40

64

64

69

69

72

70'

Fresh

For what purpose(s) is the water to be used?

Home

Is well on upland, in valley, or on hillside?

Upland.

Drilling or Boring Firm

G. J. Wallis

Address

RR # 2

Stoney Creek

Licence Number

1318

Name of Driller or Borer

Same

Address

Date

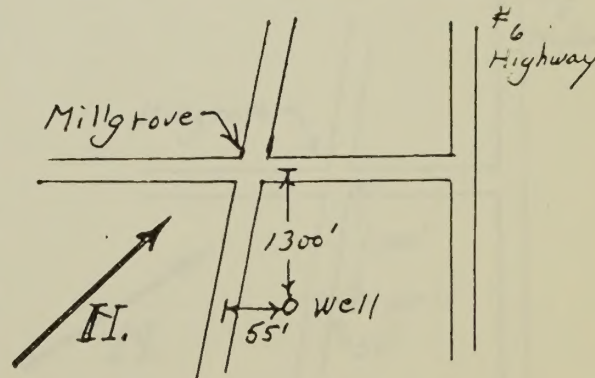
Aug 3/64

George J. Wallis  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

## Location of Well

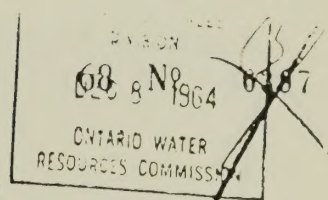
In diagram below show distances of well from  
road and lot line. Indicate north by arrow

WATER WELL RECORD

1. Name of Owner  
2. Name of Well  
3. Location of Well  
4. Date of Installation  
5. Name of Installer  
6. Name of Inspector  
7. Name of Engineer  
8. Name of Surveyor  
9. Name of Contractor  
10. Name of Subcontractor  
11. Name of Material Supplier  
12. Name of Laborer  
13. Name of Helper  
14. Name of Apprentice  
15. Name of Journeyman  
16. Name of Foreman  
17. Name of Superintendent  
18. Name of Engineer  
19. Name of Surveyor  
20. Name of Contractor  
21. Name of Subcontractor  
22. Name of Material Supplier  
23. Name of Laborer  
24. Name of Helper  
25. Name of Apprentice  
26. Name of Journeyman  
27. Name of Foreman  
28. Name of Superintendent

29. Name of Engineer  
30. Name of Surveyor  
31. Name of Contractor  
32. Name of Subcontractor  
33. Name of Material Supplier  
34. Name of Laborer  
35. Name of Helper  
36. Name of Apprentice  
37. Name of Journeyman  
38. Name of Foreman  
39. Name of Superintendent  
40. Name of Engineer  
41. Name of Surveyor  
42. Name of Contractor  
43. Name of Subcontractor  
44. Name of Material Supplier  
45. Name of Laborer  
46. Name of Helper  
47. Name of Apprentice  
48. Name of Journeyman  
49. Name of Foreman  
50. Name of Superintendent



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The Ontario Water Resources Commission Act

Basin 24 9

# WATER WELL RECORD

County or District *Wentworth*Township, Village, Town or City *West Flamboro*Con. *4* Lot *19*Date completed *31* *July* *64*  
day month yearOwner *Walter Kohlberger*  
(print in block letters)Address *R.R.#2, Dundas*

## Casing and Screen Record

## Pumping Test

Inside diameter of casing *6 3/4"*  
Total length of casing *67'*  
Type of screen *—*  
Length of screen *—*  
Depth to top of screen *—*  
Diameter of finished hole *6 3/4"*Static level *10'*  
Test-pumping rate *20* G.P.M.  
Pumping level *20*  
Duration of test pumping *40 min.*  
Water clear or cloudy at end of test *clear*  
Recommended pumping rate *10* G.P.M.  
with pump setting of *55* feet below ground surface

## Well Log

## Water Record

### Overburden and Bedrock Record

| From ft.  | To ft.    | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|-----------|-----------|----------------------------------|---------------------------------------|
| <i>0</i>  | <i>10</i> |                                  |                                       |
| <i>10</i> | <i>16</i> |                                  |                                       |
| <i>16</i> | <i>42</i> |                                  |                                       |
| <i>42</i> | <i>64</i> |                                  |                                       |
| <i>64</i> | <i>66</i> | <i>65</i>                        | <i>Fresh</i>                          |

For what purpose(s) is the water to be used?

*Home*Is well on upland, in valley, or on hillside? *Upland.*Drilling or Boring Firm *G.J. Wallis*Address *R.R.#2*  
*Stoney Creek.*Licence Number *1318*Name of Driller or Borer *Same*

Address

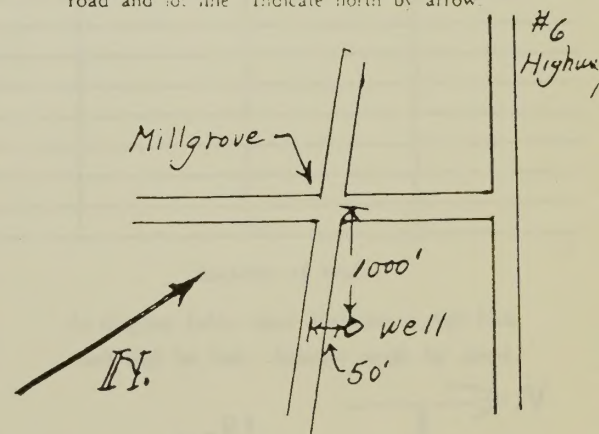
Date *Aug 3 / 64*  
*George J. Wallis*  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



WATER WELL RECORD

Blank form with faint grid lines and text labels for recording well data.













# WATER WORKS REPORT

|                        |  |             |  |
|------------------------|--|-------------|--|
| Name of Engineer       |  | Date        |  |
| Name of Station        |  | Time        |  |
| Name of Operator       |  | Weather     |  |
| Name of Assistant      |  | Wind        |  |
| Name of Inspector      |  | Temperature |  |
| Name of Recorder       |  | Barometer   |  |
| Name of Observer       |  | Rain        |  |
| Name of Collector      |  | Snow        |  |
| Name of Distributor    |  | Ice         |  |
| Name of Conductor      |  | Fog         |  |
| Name of Supervisor     |  | Thunder     |  |
| Name of Foreman        |  | Lightning   |  |
| Name of Clerk          |  | Hail        |  |
| Name of Messenger      |  | Dew         |  |
| Name of Porter         |  | Frost       |  |
| Name of Janitor        |  | Mist        |  |
| Name of Watchman       |  | Smog        |  |
| Name of Night Watchman |  | Smoke       |  |
| Name of Fireman        |  | Ash         |  |
| Name of Cook           |  | Grass       |  |
| Name of Baker          |  | Flowers     |  |
| Name of Farmer         |  | Fruit       |  |
| Name of Merchant       |  | Money       |  |
| Name of Soldier        |  | War         |  |
| Name of Sailor         |  | Ship        |  |
| Name of Pilot          |  | Plane       |  |
| Name of Doctor         |  | Hospital    |  |
| Name of Lawyer         |  | Court       |  |
| Name of Minister       |  | Church      |  |
| Name of Teacher        |  | School      |  |
| Name of Student        |  | Class       |  |
| Name of Parent         |  | Home        |  |
| Name of Neighbor       |  | Street      |  |
| Name of Stranger       |  | City        |  |
| Name of Visitor        |  | Country     |  |
| Name of Guest          |  | World       |  |
| Name of Host           |  | Universe    |  |
| Name of Creator        |  | God         |  |

| Name of Station        |  | Date        |  | Time      |  |
|------------------------|--|-------------|--|-----------|--|
| Name of Operator       |  | Weather     |  | Wind      |  |
| Name of Assistant      |  | Temperature |  | Barometer |  |
| Name of Inspector      |  | Rain        |  | Snow      |  |
| Name of Recorder       |  | Ice         |  | Fog       |  |
| Name of Observer       |  | Thunder     |  | Lightning |  |
| Name of Collector      |  | Hail        |  | Dew       |  |
| Name of Distributor    |  | Frost       |  | Mist      |  |
| Name of Conductor      |  | Smog        |  | Smoke     |  |
| Name of Supervisor     |  | Ash         |  | Grass     |  |
| Name of Foreman        |  | Flowers     |  | Fruit     |  |
| Name of Clerk          |  | Money       |  | War       |  |
| Name of Messenger      |  | Ship        |  | Plane     |  |
| Name of Porter         |  | Hospital    |  | Court     |  |
| Name of Janitor        |  | Church      |  | School    |  |
| Name of Watchman       |  | Class       |  | Home      |  |
| Name of Night Watchman |  | Street      |  | City      |  |
| Name of Fireman        |  | Country     |  | World     |  |
| Name of Cook           |  | Universe    |  | God       |  |
| Name of Baker          |  |             |  |           |  |
| Name of Farmer         |  |             |  |           |  |
| Name of Merchant       |  |             |  |           |  |
| Name of Soldier        |  |             |  |           |  |
| Name of Sailor         |  |             |  |           |  |
| Name of Pilot          |  |             |  |           |  |
| Name of Doctor         |  |             |  |           |  |
| Name of Lawyer         |  |             |  |           |  |
| Name of Minister       |  |             |  |           |  |
| Name of Teacher        |  |             |  |           |  |
| Name of Student        |  |             |  |           |  |
| Name of Parent         |  |             |  |           |  |
| Name of Neighbor       |  |             |  |           |  |
| Name of Stranger       |  |             |  |           |  |
| Name of Visitor        |  |             |  |           |  |
| Name of Guest          |  |             |  |           |  |
| Name of Host           |  |             |  |           |  |
| Name of Creator        |  |             |  |           |  |

|                        |  |             |  |
|------------------------|--|-------------|--|
| Name of Station        |  | Date        |  |
| Name of Operator       |  | Weather     |  |
| Name of Assistant      |  | Wind        |  |
| Name of Inspector      |  | Temperature |  |
| Name of Recorder       |  | Barometer   |  |
| Name of Observer       |  | Rain        |  |
| Name of Collector      |  | Snow        |  |
| Name of Distributor    |  | Ice         |  |
| Name of Conductor      |  | Fog         |  |
| Name of Supervisor     |  | Thunder     |  |
| Name of Foreman        |  | Lightning   |  |
| Name of Clerk          |  | Hail        |  |
| Name of Messenger      |  | Dew         |  |
| Name of Porter         |  | Frost       |  |
| Name of Janitor        |  | Mist        |  |
| Name of Watchman       |  | Smog        |  |
| Name of Night Watchman |  | Smoke       |  |
| Name of Fireman        |  | Ash         |  |
| Name of Cook           |  | Grass       |  |
| Name of Baker          |  | Flowers     |  |
| Name of Farmer         |  | Fruit       |  |
| Name of Merchant       |  | Money       |  |
| Name of Soldier        |  | War         |  |
| Name of Sailor         |  | Ship        |  |
| Name of Pilot          |  | Plane       |  |
| Name of Doctor         |  | Hospital    |  |
| Name of Lawyer         |  | Court       |  |
| Name of Minister       |  | Church      |  |
| Name of Teacher        |  | School      |  |
| Name of Student        |  | Class       |  |
| Name of Parent         |  | Home        |  |
| Name of Neighbor       |  | Street      |  |
| Name of Stranger       |  | City        |  |
| Name of Visitor        |  | Country     |  |
| Name of Guest          |  | World       |  |
| Name of Host           |  | Universe    |  |
| Name of Creator        |  | God         |  |



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1 R

Elev.

4 R

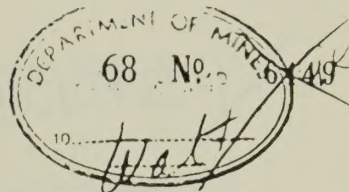
Basin

24



The Well Drillers Act

Department of Mines, Province of Ontario



# Water Well Record

County or District

Hants

Tp.

West Hants

Con.

5

Lot

18

Pt. Lot

X

Owner

Vincent Pegg

Address

R.R. 2 Hants

Acres

Date Completed

Apr 2nd 49

Cost of Well (not including pump)

\$ 285

## Pipe and Casing Record

8136

## Pumping Test

2 Gals per min

Casing diameter(s)

5 3/4"

Length(s) of casing(s)

20 ft

Length of screen

none

Type of screen

-

Type of pump

dup. 1/2" 1/2" 1/2"

Capacity of pump

X

Depth of pump setting

50 ft

Date

Apr 2nd 49

Developed Capacity

Duration of Test

3 hrs

Pumping Rate

2 1/2 gpm

Drawdown

X

Static level of completed well

X

Is well a gravel-wall type?

no

## Water Record

X

Kind (fresh or mineral)

Fresh

Quality (hard, soft, contains iron, sulphur etc.)

hard

Appearance (clear, cloudy, coloured)

no mineral

For what purpose(s) is the water to be used?

domestic

How far is well from possible source of contamination?

50 ft

What is source of contamination?

Septic tank

Enclose a copy of any mineral analysis that has been made of water

Depth(s) to Water Horizon(s)

30 ft

Kind of Water

No. of Feet Water Rises

76 ft

## Well Log

12 ft sandy loam 70 ft

## Drift and Bedrock Record

X

From

To

0 ft.

ft.

X

A

Sandy loam

0

12

Quartz sand

12

82

Rocks

82

85

skew

## Location of Well

In diagram below show distances of well from road and lot line

60 ft

Sketch of well location showing distances from road and lot line. The well is located 60 ft from the road and 12 ft from the lot line. The well is located 12 ft from the road and 82 ft from the lot line. The well is located 82 ft from the road and 85 ft from the lot line. The well is located 85 ft from the road and 85 ft from the lot line.

Situation: Is well on upland, in valley, or on hillside?

level ground

Drilling Firm

Address

John Hannon

Recorded by

John Hannon

Date

Apr 2nd 49

Address

John Hannon

Licence Number

Hants 101











RECEIVED 6451  
JAN 11 1957  
GEOLOGICAL BRANCH  
DEPARTMENT OF MINES

# Water-Well Record

County or Territorial District 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466

## Pipe and Casing Record

### Pumping Test

|                           |      |                        |            |
|---------------------------|------|------------------------|------------|
| Casing diameter (s) ..... | 6"   | Static level .....     | 5'0"       |
| Length (s) .....          | 5'2" | Pumping rate .....     | 15 gal/min |
| Type of screen .....      |      | Pumping level .....    | 5'0"       |
| Length of screen .....    |      | Duration of test ..... |            |

## Well Log

## Water Record

[illegible]

For what purpose(s) is the water to be used?

Is water clear or cloudy?..... clear .....

Is well on upland, in valley, or on hillside? *upland*

Drilling firm .....

Address .....

Name of Driller W. J. G. ...

Address .....

Licence Number.....152.....

I certify that the foregoing  
statements of fact are true.

Date Nov 23/61 S O Connor

Signature of Licensee \_\_\_\_\_

## Location of Well

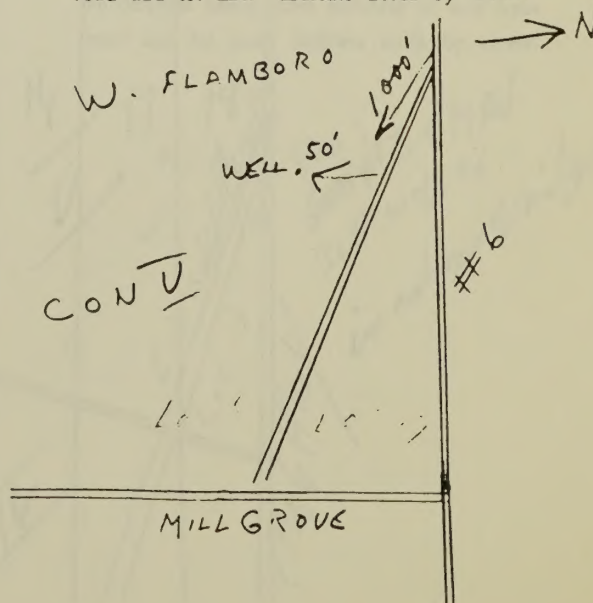
In diagram below show distances of well from road and lot line. Indicate north by arrow.

WELL . 65' 300 YDS  
MILGROVE SILVER D. 40

$$Hyw = 6$$

















UTM

5 R

Elev.

4 R

Basin

24

The Ontario Water Resources Commission Act, 1957



68 No

6454

# WATER WELL RECORD

County or District

Wentworth

Township, Village, Town or City

West Flamborough

Con.

5

Lot

18

Date completed

10

Sept

60

Owner

Fred Paul

(print in block letters)

Address

Milgrove ont

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4

Total length of casing

85

Type of screen

—

Length of screen

—

Depth to top of screen

—

Diameter of finished hole

6 1/4

Static level

22

Test-pumping rate

20

G.P.M.

Pumping level

40

Duration of test pumping

1 hr

Water clear or cloudy at end of test

clear

Recommended pumping rate

5

G.P.M.

with pumping level of

30

## Well Log

## Water Record

### Overburden and Bedrock Record

From  
ft.To  
ft.Depth(s)  
at which  
water(s)  
foundNo. of feet  
water risesKind of water  
(fresh, salty,  
sulphur)

Sandy clay

0

35

84

64

fresh

Silty sand and clay

35

84

Shale Rock

84

88

For what purpose(s) is the water to be used?

house

Is well on upland, in valley, or on hillside?

upland

Drilling Firm

Wesley Packham

Address

Smithville

Licence Number

518

Name of Driller

Wesley Packham

Address

Smithville

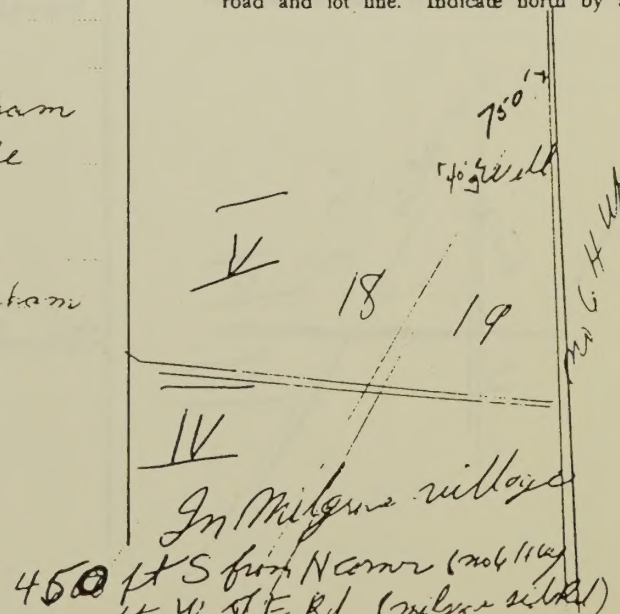
Date

Jan 7/61

(Signature of Licensed Drilling Contractor)

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.













UTM 5  
Elev. 4  
Basin 24  
L-7 12



GROUND 68ER No. 6456  
JUN 18 1961  
ONTARIO WATER  
RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

## WATER WELL RECORD

County or District Westmorland Township, Village, Town or City West Hamilton  
Con. 5 Lot 68 Date completed 12 May 61  
Owner Roy McCall Address 1440 West 27 St Hamilton  
(print in block letters)

### Casing and Screen Record

### Pumping Test

Inside diameter of casing 6 1/4 to 6 5/8 - 5 in 6 5/8 82  
Total length of casing 82  
Type of screen —  
Length of screen —  
Depth to top of screen —  
Diameter of finished hole 5 in

Static level 25  
Test-pumping rate 20 G.P.M.  
Pumping level 40  
Duration of test pumping 1 1/2  
Water clear or cloudy at end of test consideration  
Recommended pumping rate 2 G.P.M.  
with pumping level of 30

### Well Log

### Water Record

| Overburden and Bedrock Record | From ft.  | To ft.    | Depth(s) at which water(s) found | No. of feet water rises | Kind of water (fresh, salty, sulphur) |
|-------------------------------|-----------|-----------|----------------------------------|-------------------------|---------------------------------------|
| <u>Soft loam and clay</u>     | <u>0</u>  | <u>65</u> | <u>84</u>                        | <u>57</u>               | <u>fresh</u>                          |
| <u>Broken rock and stones</u> | <u>65</u> | <u>82</u> |                                  |                         |                                       |
| <u>Fire Rock</u>              | <u>82</u> | <u>86</u> |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |

For what purpose(s) is the water to be used?

house

Is well on upland, in valley, or on hillside?

upland

Drilling Firm Wesley Packham

Address Smithville

Licence Number 320

Name of Driller W. Packham

Address Smithville

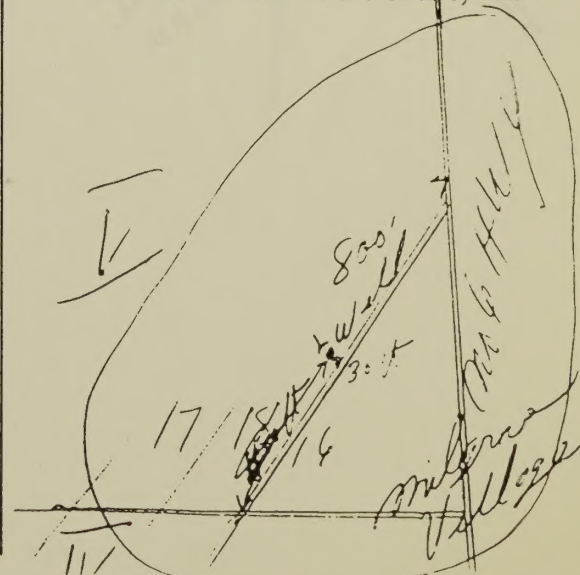
Date June 14/61

Wesley Packham  
(Signature of Licensed Drilling Contractor)

Form 5

### Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







UTM


 68 No. 6437  
 ONTARIO WATER  
 RESOURCES COMMISSION
Elev. 4<sup>R</sup>

The Ontario Water Resources Commission Act

Basin 24

# WATER WELL RECORD

County or District

Kentworth

Township, Village, Town or City

West Flamborough

Con.

Lot

Date completed

28  
(day)

month

June 196  
(year)

Owner

S. SCHEIN  
(print in block letters)

Address

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4

Total length of casing

73 ft.

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

6 1/4

Static level

25 ft.

Test-pumping rate

25 ft.

Pumping level

40 ft.

Duration of test pumping

2 hrs.

Water clear or cloudy at end of test

clear

Recommended pumping rate

2

with pump setting of

50

feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

From  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sulphur)dark sandy soil0482freshgrey sandy clay473grey limestone7382

For what purpose(s) is the water to be used?

House

Is well on upland, in valley, or on hillside?

upland

Drilling or Boring Firm

Address

Licence Number

318

Name of Driller or Borer

Frank Ince

Address

175 Aldercrest Ave.

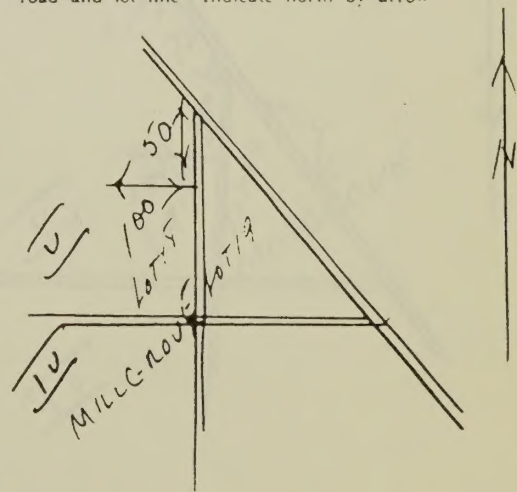
Date

June 28Frank Ince  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

## Location of Well

In diagram below show distances of well from  
road and lot line. Indicate north by arrow





UTM



686 No 1961 6488

ONTARIO WATER  
RESOURCES COMMISSION
 5<sup>R</sup> [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]  
 Elev. 4<sup>R</sup> [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]  
 Basin 24 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

The Ontario Water Resources Commission Act

## WATER WELL RECORD

County or District *Wentworth*Township, Village, Town or City *West Flamborough*Con. *V*Lot *18*Date completed *30**June 1961*

Owner

*S. SHEIN*

(print in block letters)

Address

## Casing and Screen Record

Inside diameter of casing *6 1/4*Total length of casing *79 ft.*Type of screen *-*Length of screen *-*Depth to top of screen *-*Diameter of finished hole *6 1/4*

## Pumping Test

Static level *30 ft.*Test-pumping rate *25*

G.P.M.

Pumping level *45 ft.*Duration of test pumping *2 hrs.*Water clear or cloudy at end of test *clear*Recommended pumping rate *2*

G.P.M.

with pump setting of *60* feet below ground surface

## Well Log

## Overburden and Bedrock Record

*dark sandy soil*  
*grey sandy clay*  
*grey limestone*
From  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sulphur)*0*  
*4*  
*79**4*  
*79*  
*88**88**fresh*

For what purpose(s) is the water to be used?

*House*

Is well on upland, in valley, or on hillside?

*upland*

Drilling or Boring Firm

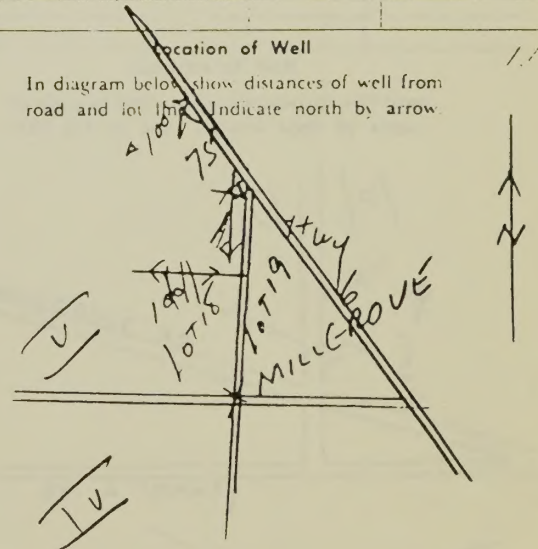
Address

Licence Number *318*Name of Driller or Borer *Frank Duce*Address *175 Aldercrest Ave.*Date *June 30**Frank Duce*  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

## Location of Well

In diagram below show distances of well from  
road and lot lines. Indicate north by arrow.





UTM

5 R



68 N° 6459

Elev. 4 0830

The Ontario Water Resources Commission Act

Basin 24

## WATER WELL RECORD

County or District WENT WORTH

Township, Village, Town or City WEST FLAMBERO

Con. V Lot 18

Date completed 22 OCT 1962

Owner MILL GROVE SCHOOL  
(print in block letters)

Address MILL GROVE

## Casing and Screen Record

## Pumping Test

Inside diameter of casing 6 1/2"  
 Total length of casing 64'  
 Type of screen  
 Length of screen  
 Depth to top of screen  
 Diameter of finished hole 6 1/2"

Static level 12'  
 Test-pumping rate 10 G.P.M.  
 Pumping level 60'  
 Duration of test pumping 2 HRS.  
 Water clear or cloudy at end of test CLEAR  
 Recommended pumping rate 5 G.P.M.  
 with pump setting of 60' feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

|                         | From<br>ft. | To<br>ft. | Depth(s) at<br>which water(s)<br>found | Kind of water<br>(fresh, salty,<br>sulphur) |
|-------------------------|-------------|-----------|----------------------------------------|---------------------------------------------|
| GRAVEL                  | 0           | 6'        |                                        |                                             |
| TOP SOIL                | 6'          | 2'        |                                        |                                             |
| SANDY LOAM AND BOULDERS | 2'          | 20'       |                                        |                                             |
| SANDY LOAM              | 20          | 36        |                                        |                                             |
| QUICK SAND              | 36          | 60        |                                        |                                             |
| FINE SAND               | 60          | 64        | 70                                     | FRESH                                       |
| LIME STONE              | 64          | 72        |                                        |                                             |

For what purpose(s) is the water to be used?

SCHOOL

Is well on upland, in valley, or on hillside? UPLAND

Drilling or Boring Firm CROSS BROS.

Address 38 KENNEDY AVE.  
HAMILTON

Licence Number

Name of Driller or Borer ARTHUR CROSS

Address 38 KENNEDY AVE.

Date OCT. 22

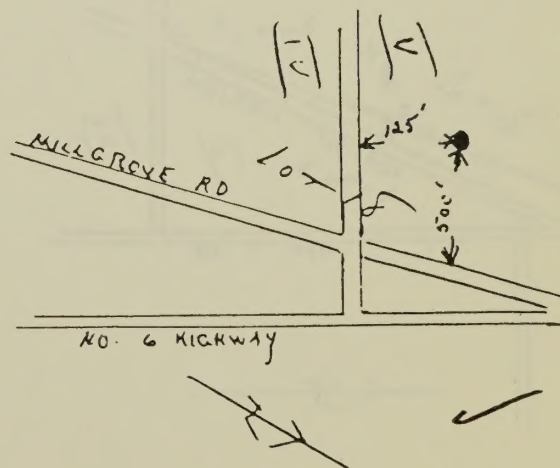
Howard Cross  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.









68 No 6460  
15  
DATE OF ISSUE  
RECEIVED BY

5<sup>R</sup>  
C 4<sup>R</sup>  
Elev. 24  
Basin 18

The Ontario Water Resources Commission Act

# WATER WELL RECORD

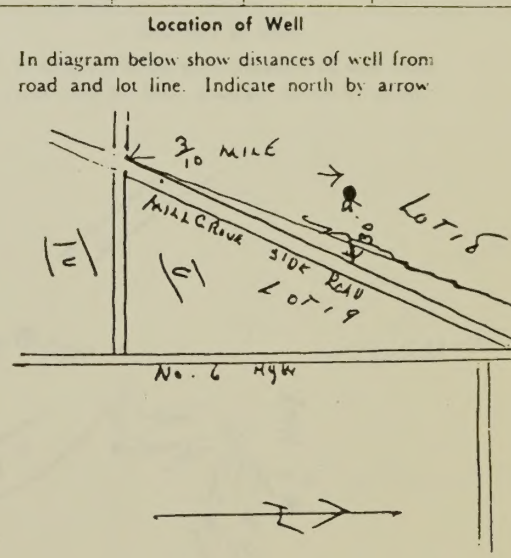
County or District **WENTWORTH**  
Con **V** Lot **18**  
Owner **P. JENNINGS**  
(print in block letters)

Township, Village, Town or City **WEST FLAMBOROUGH**  
Date completed **10 AUG. 1963**  
(day month year)  
Address **R.R. #2 HAMILTON**

| Casing and Screen Record  |       | Pumping Test                         |                              |
|---------------------------|-------|--------------------------------------|------------------------------|
| Inside diameter of casing | 6 1/4 | Static level                         | 30                           |
| Total length of casing    | 76    | Test-pumping rate                    | 3 G.P.M.                     |
| Type of screen            |       | Pumping level                        | 80                           |
| Length of screen          |       | Duration of test pumping             | 1 HR.                        |
| Depth to top of screen    |       | Water clear or cloudy at end of test | CLEAR                        |
| Diameter of finished hole | 6 1/4 | Recommended pumping rate             | 3 G.P.M.                     |
|                           |       | with pump setting of                 | 85 feet below ground surface |

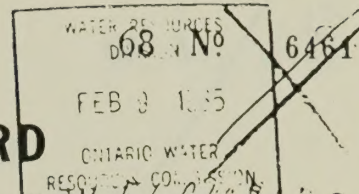
| Well Log                      |          | Water Record |                                  |                                       |
|-------------------------------|----------|--------------|----------------------------------|---------------------------------------|
| Overburden and Bedrock Record | From ft. | To ft.       | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
| SANDY LOAM                    | 0        | 10           |                                  |                                       |
| BROWN SAND                    | 10       | 76           |                                  |                                       |
| LIME STONE                    | 76       | 90           | 90                               | FRESH                                 |
|                               |          |              |                                  |                                       |
|                               |          |              |                                  |                                       |
|                               |          |              |                                  |                                       |
|                               |          |              |                                  |                                       |
|                               |          |              |                                  |                                       |
|                               |          |              |                                  |                                       |
|                               |          |              |                                  |                                       |

For what purpose(s) is the water to be used?  
**HOUSE**  
Is well on upland, in valley, or on hillside? **UPLAND**  
Drilling or Boring Firm **CROSS BROS.**  
Address **38 KENNEDY AVE. HAMILTON**  
Licence Number **1146**  
Name of Driller or Borer **ARTHUR CROSS**  
Address **38 KENNEDY AVE.**  
Date **AUG. 10**  
**Howard Cross**  
(Signature of Licensed Drilling or Boring Contractor)









5<sup>R</sup>  
Elev. 44 083.0  
Basin 24

The Ontario Water Resources Commission Act

## WATER WELL RECORD

County or District WENTWORTH

Township, Village, Town or City WILKESBORO

Con. # IV Lot

Date completed 26 11/1965  
(day month year)Owner MARANTTI  
(print in block letters)

Address MILLGROVE

## Casing and Screen Record

## Pumping Test

Inside diameter of casing 6 1/4

Static level 2.5

Total length of casing 61

Test-pumping rate 3.5 G.P.M.

Type of screen

Pumping level 30

Length of screen

Duration of test pumping 1 hour

Depth to top of screen

Water clear or cloudy at end of test

Diameter of finished hole 6 1/4

Recommended pumping rate 7 G.P.M.

with pump setting of 35 feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

|         | From<br>ft. | To<br>ft. | Depth(s) at<br>which water(s)<br>found | Kind of water<br>(fresh, salty,<br>sulphur) |
|---------|-------------|-----------|----------------------------------------|---------------------------------------------|
| Topsoil | 0           | 15        | 61                                     |                                             |
| Clay    | 15          | 60        |                                        |                                             |
| Sand    | 60          | 61        |                                        |                                             |
| Gravel  | 61          | 62        |                                        |                                             |
|         |             |           |                                        |                                             |
|         |             |           |                                        |                                             |
|         |             |           |                                        |                                             |
|         |             |           |                                        |                                             |
|         |             |           |                                        |                                             |
|         |             |           |                                        |                                             |

For what purposes is the water to be used? Irrigation

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow

Is well on upland, in valley, or on hillside? upland

Drilling or Boring Firm

Address

Licence Number 1390

Name of Driller or Borer Frank Wilson

Address 171 Andersonville Ave

Date Jan 27/65

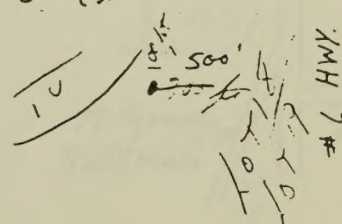
(Signature of Licensed Drilling or boring Contractor)

Form 7. 15M-60-4138

OWRC COPY

5<sup>TH</sup> CON

MILLGROVE







Elev. 45<sup>R</sup> 0870 The Ontario Water Resources Commission ActBasin 24 **WATER WELL RECORD**

County or District

Wentworth

Township, Village, Town or City

West Flamboro

Con.

5

Lot

18

Date completed

15Sept67

Owner

R. Van Woika

(print in block letters)

Address

RR#2 Hamilton, Ont.

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4"

Total length of casing

96'

Type of screen

—

Length of screen

—

Depth to top of screen

—

Diameter of finished hole

6 1/4"

Static level

48'

Test-pumping rate

20

G.P.M.

Pumping level

90

Duration of test pumping

45 min.

Water clear or cloudy at end of test

Clear

Recommended pumping rate

5

G.P.M.

with pump setting of

90

feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

From  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sulphur)

Br sand  
Dry silt sand  
Dry clay  
Dry limestone

060607070939310199Fresh

For what purpose(s) is the water to be used?

Home

Is well on upland, in valley, or on hillside?

Upland

Drilling or Boring Firm

G.J. Wallis

Address

RR#2Stoney Creek

Licence Number

2635

Name of Driller or Borer

Same

Address

Date

Sept. 16/67

(Signature of Licensed Drilling or Boring Contractor)

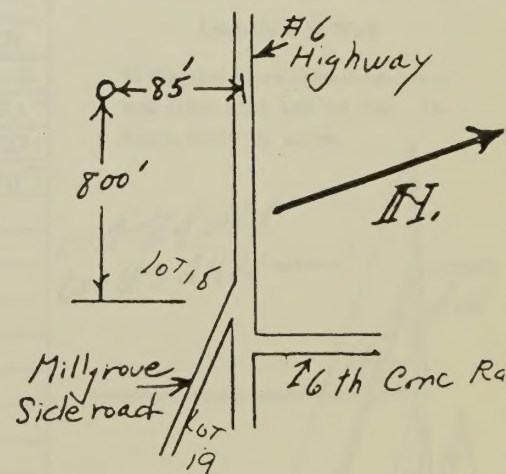
George J. Wallis

Form 7 15M-60-4138

OWRC COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow







68 N<sup>o</sup> 6483  
GROUND WATER BRANCH  
JUN 4 1957  
ONTARIO WATER  
RESOURCES COMMISSION

# Water Well Record

County or Territorial District Wentworth Township, Village, Town or City Flamborough West  
 Con. 5 Lot 19 Street and Number (if in Village, Town or City) .....  
 Owner M. Robinson Address Millgrove .....  
 Date Completed 20 May 57 Cost of Well (excluding pump) .....  
                                   (day)                                  (month)                                  (year)

## Pipe and Casing Record

### Pumping Test

|                                                               |                                                                   |
|---------------------------------------------------------------|-------------------------------------------------------------------|
| Casing diameter(s) <u>6 1/4</u>                               | Date <u>          </u>                                            |
| Length(s) of casing(s) <u>80</u>                              | Static level <u>25</u>                                            |
| Type of screen <u>          </u>                              | Pumping level <u>75</u>                                           |
| Length of screen <u>          </u>                            | Pumping rate <u>800 gal per hr.</u>                               |
| Distance from top of screen to ground level <u>          </u> | Duration of test <u>1 hour</u>                                    |
| Is well a gravel-wall type? <u>          </u>                 | Distance from cylinder or bowls to ground level <u>          </u> |

## Water Record

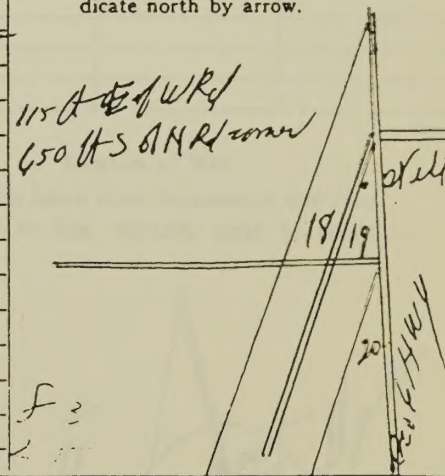
| Kind (fresh or mineral) .....                                            | Depth(s)<br>to Water<br>Horizon(s) | Kind of<br>Water | No. of Feet<br>Water Rises |
|--------------------------------------------------------------------------|------------------------------------|------------------|----------------------------|
| Quality (hard, soft, contains iron, sulphur, etc.) .....                 |                                    |                  |                            |
| Appearance (clear, cloudy, coloured) .....                               | 83                                 | fresh            | 58                         |
| For what purpose(s) is the water to be used? .....                       |                                    |                  |                            |
| How far is well from possible source of contamination? .....             |                                    |                  |                            |
| What is the source of contamination? .....                               |                                    |                  |                            |
| Enclose a copy of any mineral analysis that has been made of water. .... |                                    |                  |                            |

## Well Log

[illegible]

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Situation: Is well on upland, in valley or on hillside? *Wesley*  
Drilling Firm. *Wesley Packham*  
Address. *Smithville*  
Name of Driller. *Wesley Packham* Address. *Smithville*  
Date. *May 31 / 57* Licence Number. *187*  
*Wesley Packham*  
Signature of Licensee

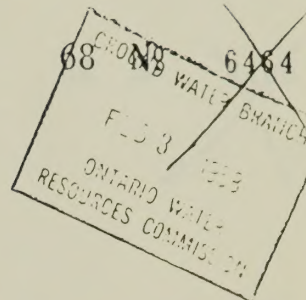




UTM 9 R 0860  
Elev. 94 R 0860  
Basin 24  
Lot 19



The Water-well Drillers Act, 1954  
Department of Mines



# Water-Well Record

County or Territorial District Kentworth Township, Village, Town or City Thames Valley  
Con. 5 Lot 19 Street and Number (if in Village, Town or City) 10  
Owner Robert Bishop Address 24 H. Miller (McGowan)  
Date completed 10 (day) Oct (month) 57 (year)

## Pipe and Casing Record

## Pumping Test

|                                  |                              |
|----------------------------------|------------------------------|
| Casing diameter (s) <u>4 1/4</u> | Static level <u>27 ft</u>    |
| Length (s) <u>810</u>            | Pumping rate <u>175 gpm</u>  |
| Type of screen                   | Pumping level <u>35</u>      |
| Length of screen                 | Duration of test <u>1 hr</u> |

## Well Log

## Water Record

| Overburden and Bedrock Record | From ft.  | To ft.    | Depth (s) at which water (s) found | No. of feet water rises | Kind of water (fresh, salty, or sulphur) |
|-------------------------------|-----------|-----------|------------------------------------|-------------------------|------------------------------------------|
| <u>Soft loam</u>              | <u>0</u>  | <u>60</u> |                                    |                         |                                          |
| <u>Silty loam</u>             | <u>60</u> | <u>80</u> | <u>83</u>                          | <u>56</u>               | <u>fresh</u>                             |
| <u>Fire rock</u>              | <u>80</u> | <u>85</u> |                                    |                         |                                          |
|                               |           |           |                                    |                         |                                          |
|                               |           |           |                                    |                         |                                          |
|                               |           |           |                                    |                         |                                          |
|                               |           |           |                                    |                         |                                          |
|                               |           |           |                                    |                         |                                          |
|                               |           |           |                                    |                         |                                          |
|                               |           |           |                                    |                         |                                          |
|                               |           |           |                                    |                         |                                          |

For what purpose(s) is the water to be used? house

Is water clear or cloudy? clear

Is well on upland, in valley, or on hillside? upland

Drilling firm Wesley Packham

Address Smithville

Name of Driller Wesley Packham

Address Smithville

Licence Number 187

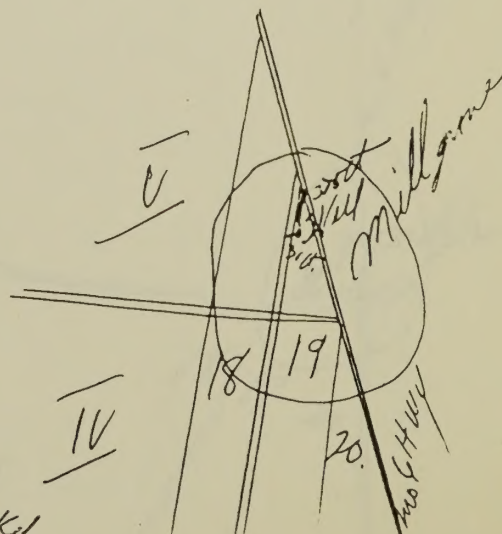
I certify that the foregoing statements of fact are true

Date Jan 27 1958 Wesley Packham

Signature of Licensee

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







15th N & SRd  
6th Ave Hill Rd







ONTARIO

68 No 6468

Elev. 4<sup>R</sup> 0860Basin 24  
CON

LOT 19

The Water-well Drillers Act, 1954

Department of Mines

## Water-Well Record

County or Territorial District Wentworth Township, Village, Town or City Flamborough W.  
 Con. 5 Lot 19 Street and Number (if in Village, Town or City) \_\_\_\_\_  
 Owner J. L. Robinson Address Millgrove  
 Date completed 18 2 58  
 (day) (month) (year)

## Pipe and Casing Record

## Pumping Test

Casing diameter(s) 6 1/4  
 Length(s) 82  
 Type of screen \_\_\_\_\_  
 Length of screen \_\_\_\_\_

Static level 27  
 Pumping rate 1.00 g.p.m.  
 Pumping level 50  
 Duration of test 1 hr.

## Well Log

## Water Record

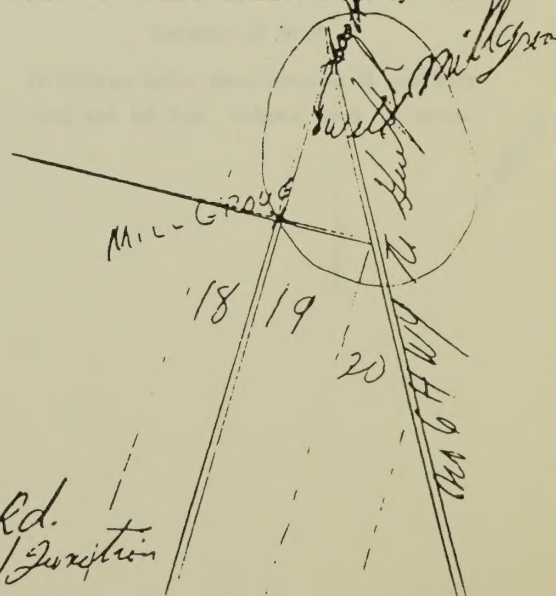
| Overburden and Bedrock Record | From<br>ft. | To<br>ft. | Depth(s)<br>at which<br>water(s)<br>found | No. of feet<br>water rises | Kind of water<br>(fresh, salty,<br>or sulphur) |
|-------------------------------|-------------|-----------|-------------------------------------------|----------------------------|------------------------------------------------|
| <u>Sandy clay</u>             | <u>0</u>    | <u>50</u> | <u>86</u>                                 | <u>59</u>                  | <u>fresh</u>                                   |
| <u>Silty Sandy clay</u>       | <u>50</u>   | <u>82</u> |                                           |                            |                                                |
| <u>Loose rock</u>             | <u>82</u>   | <u>88</u> |                                           |                            |                                                |
|                               |             |           |                                           |                            |                                                |
|                               |             |           |                                           |                            |                                                |
|                               |             |           |                                           |                            |                                                |
|                               |             |           |                                           |                            |                                                |
|                               |             |           |                                           |                            |                                                |
|                               |             |           |                                           |                            |                                                |
|                               |             |           |                                           |                            |                                                |
|                               |             |           |                                           |                            |                                                |

For what purpose(s) is the water to be used?

Is water clear or cloudy? clearIs well on upland, in valley, or on hillside? uplandDrilling firm Hesley PockhamAddress SmithvilleName of Driller Hesley PockhamAddress SmithvilleLicence Number 187I certify that the foregoing  
statements of fact are true.Date Dec 26 58 Hesley Pockham

Signature of Licensee

## Location of Well

In diagram below show distances of well from  
road and lot line. Indicate north by arrow.

35 ft E of W Rd.  
 1.00 ft S of N R Junction





UTM 12  
5<sup>R</sup>  
Elev. 4<sup>R</sup> 0830 21  
Basin 24



68 N<sup>o</sup> 6467

The Ontario Water Resources Commission Act, 1957

## WATER WELL RECORD

County or District WENTWORTH Township, Village, Town or City W. FLAMBORO  
Con. ✓ Lot 19 Date completed 7 JUNE 1959  
(day month year)  
Owner DON MARCY Address MILL GROVE  
(print in block letters)

### Casing and Screen Record

Inside diameter of casing 6 1/4  
Total length of casing 56  
Type of screen —  
Length of screen —  
Depth to top of screen —  
Diameter of finished hole 6 1/4

### Pumping Test

Static level 15'  
Test-pumping rate 15' G.P.M.  
Pumping level 22  
Duration of test pumping 1 1/2  
Water clear or cloudy at end of test CLEAR  
Recommended pumping rate 3 G.P.M.  
with pumping level of 15'

### Well Log

### Water Record

| Overburden and Bedrock Record | From ft.  | To ft.    | Depth(s) at which water(s) found | No. of feet water rises | Kind of water (fresh, salty, sulphur) |
|-------------------------------|-----------|-----------|----------------------------------|-------------------------|---------------------------------------|
| <u>TOP SOIL</u>               | <u>0</u>  | <u>2</u>  |                                  |                         |                                       |
| <u>BROWN CLAY</u>             | <u>2</u>  | <u>40</u> |                                  |                         |                                       |
| <u>BLUE CLAY</u>              | <u>40</u> | <u>54</u> |                                  |                         |                                       |
| <u>COARSE GRAVEL</u>          | <u>54</u> | <u>56</u> | <u>56</u>                        | <u>41</u>               | <u>FRESH</u>                          |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |
|                               |           |           |                                  |                         |                                       |

For what purpose(s) is the water to be used?

HOUSE

Is well on upland, in valley, or on hillside?

UPLAND

Drilling Firm

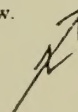
W. SCRIVEN

Address

HANNOY

### Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







5<sup>R</sup>Elev. 4<sup>R</sup>

The Ontario Water Resources Commission Act

Basin 24<sup>19</sup>

## WATER WELL RECORD

County or District *Wentworth*Township, Village, Town or City *West Flamborough*

Con 5 Lot 19

Date completed 9 March 63

Owner *Dorothy Hartmier*  
(print in block letters)Address *Box 49 Millgrove Ont*

## Casing and Screen Record

## Pumping Test

Inside diameter of casing *6 1/4"*  
 Total length of casing *58-9"*  
 Type of screen *—*  
 Length of screen *—*  
 Depth to top of screen *—*  
 Diameter of finished hole *6 1/4"*

Static level *7'*  
 Test-pumping rate *20* G.P.M.  
 Pumping level *30'*  
 Duration of test pumping *40 min.*  
 Water clear or cloudy at end of test *Clear*  
 Recommended pumping rate *5* G.P.M.  
 with pump setting of *54* feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

|                             | From<br>ft. | To<br>ft.  | Depth(s) at<br>which water(s)<br>found | Kind of water<br>(fresh, salty,<br>sulphur) |
|-----------------------------|-------------|------------|----------------------------------------|---------------------------------------------|
| <i>Ba. Sandy loam</i>       | <i>0</i>    | <i>11'</i> |                                        |                                             |
| <i>Grey clay</i>            | <i>11</i>   | <i>28</i>  |                                        |                                             |
| <i>Sandy silt</i>           | <i>28</i>   | <i>46</i>  |                                        |                                             |
| <i>Grey clay (Gravelly)</i> | <i>46</i>   | <i>55</i>  |                                        |                                             |
| <i>Grey limestone</i>       | <i>55</i>   | <i>61</i>  | <i>60'</i>                             | <i>Fresh</i>                                |
|                             |             |            |                                        |                                             |
|                             |             |            |                                        |                                             |
|                             |             |            |                                        |                                             |

For what purpose(s) is the water to be used?

*Domestic*Is well on upland, in valley, or on hillside? *upland*Drilling or Boring Firm *G. J. Wallis*Address *RR #2*  
*Stoney Creek.*Licence Number *896*Name of Driller or Borer *Same*

Address

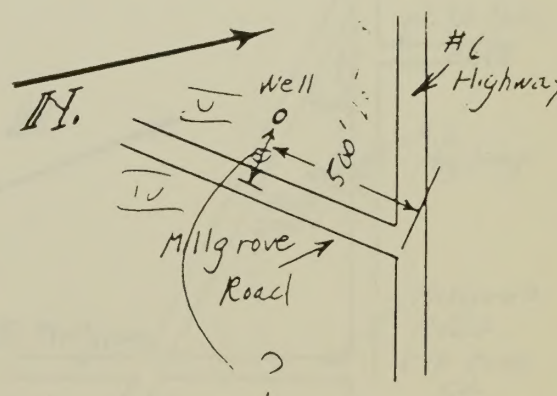
Date *March 11 / 63**George J. Wallis*  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 10M-62-1152

OWRC COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







UTM 5 19860



6812 No 6469  
JUL 12 1963  
ONTARIO WATER  
RESOURCES COMMISSION

Elev. 7 19860

The Ontario Water Resources Commission Act

Basin 24

# WATER WELL RECORD

County or District West Wentworth

Township, Village, Town or City West Flamboro

Con. 6 Lot 19

Date completed 5 July 63  
(day) (month) (year)

Owner Morley Harris  
(print in block letters)

Address Freelton P.O. Freelton Ont.

## Casing and Screen Record

## Pumping Test

Inside diameter of casing 6 1/4"  
Total length of casing 84' 8"  
Type of screen —  
Length of screen —  
Depth to top of screen —  
Diameter of finished hole 6 1/4"

Static level 28'  
Test-pumping rate 20 G.P.M.  
Pumping level 50'  
Duration of test pumping 45 min.  
Water clear or cloudy at end of test Clear  
Recommended pumping rate 10 G.P.M.  
with pump setting of 80 feet below ground surface

## Well Log

## Water Record

| Overburden and Bedrock Record   | From ft.  | To ft.    | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|---------------------------------|-----------|-----------|----------------------------------|---------------------------------------|
| <u>Light Br. Sand</u>           | <u>0</u>  | <u>41</u> |                                  |                                       |
| <u>Silt &amp; Grey clay</u>     | <u>41</u> | <u>65</u> |                                  |                                       |
| <u>Red Sand &amp; Grey clay</u> | <u>65</u> | <u>84</u> |                                  |                                       |
| <u>Grey Limestone</u>           | <u>84</u> | <u>86</u> | <u>75</u>                        | <u>Fresh</u>                          |
|                                 |           |           |                                  |                                       |
|                                 |           |           |                                  |                                       |
|                                 |           |           |                                  |                                       |
|                                 |           |           |                                  |                                       |

For what purpose(s) is the water to be used?

Domestic

Is well on upland, in valley, or on hillside? upland

Drilling or Boring Firm G. J. Wallis

Address RR #2  
Stoney Creek

Licence Number 796

Name of Driller or Borer Same

Address

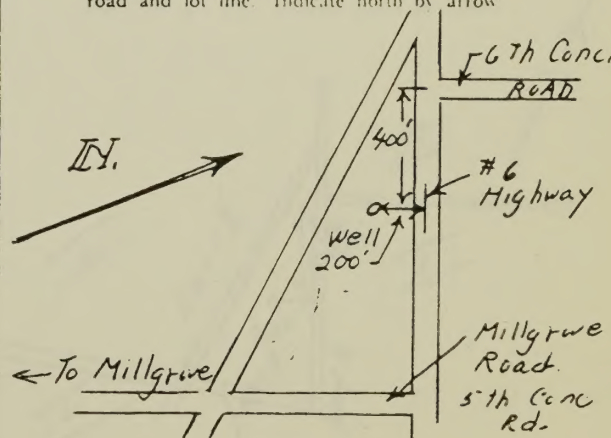
Date July 5/63  
George J. Wallis  
(Signature of Licensed Drilling or Boring Contractor)

m 7 15M-60-4138

R C COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow









Elev. 7 0860  
Basin 24

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District      WENTWORTH  
Con      5      Lot      19

Township, Village, Town or City W. HAMBORO

Date completed 5<sup>th</sup> June 65<sup>th</sup>  
 (day) (month) (year)

Owner MR. GEORGE COPP  
(print in block letters)

Address WATERDOWN

### Casing and Screen Record

|                           |       |
|---------------------------|-------|
| Inside diameter of casing | 6 1/4 |
| Total length of casing    | 8.5   |
| Type of screen            | -     |
| Length of screen          | -     |
| Depth to top of screen    | -     |
| Diameter of finished hole | 6 1/4 |

### Pumping Test

|                                      |        |                           |
|--------------------------------------|--------|---------------------------|
| Static level                         | 30'    |                           |
| Test-pumping rate                    | 20"    | G.P.M.                    |
| Pumping level                        | 30'    |                           |
| Duration of test pumping             | 3 HRS. |                           |
| Water clear or cloudy at end of test | CLEAR  |                           |
| Recommended pumping rate             | 4      | G.P.M.                    |
| with pump setting of                 | 35'    | feet below ground surface |

## Well Log

### Water Record

Overburden and Bedrock Record

FINE SAND  
BLUE CLAY

From  
ft

To  
fi

Depth(s) at  
which water(s)  
found

Kind of water  
(fresh, salty,  
sulphur)

|     |     |     |       |
|-----|-----|-----|-------|
| 0   | 85' | 85' | FRESH |
| 85' | ?   |     |       |

For what purpose(s) is the water to be used?

House

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm

B. O'CONNOR

Address 40 UNION ST  
WATER DOWN.

Licence Number

Name of Driller or Borer JACK O'CONNOR

Address 80 MILL ST. WATERDOWN

Date JUNE 23/65

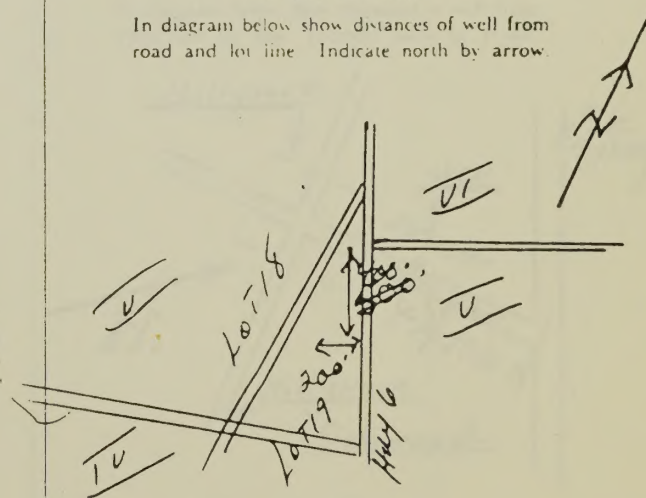
*John P. Connor*  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

O W R C COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







5 R  
Elev. 408.40  
Lot 19  
Basin 24



68 No 6471

The Ontario Water Resources Commission Act

# WATER WELL RECORD

County or District *Wentworth*  
Con. *5* Lot *19*  
Owner *Walter Kohlberger*  
(print in block letters)

Township, Village, Town or City *West Flamboro*  
Date completed *11* *April* *66*  
(day month year)  
Address *R.R. #2, Dundas, Ont.*

## Casing and Screen Record

Inside diameter of casing *6 1/4*  
Total length of casing *65 - 6"*  
Type of screen *—*  
Length of screen *—*  
Depth to top of screen *—*  
Diameter of finished hole *6 1/4"*

## Pumping Test

Static level *14'*  
Test-pumping rate *25'* G.P.M.  
Pumping level *25'*  
Duration of test pumping *1 hour*  
Water clear or cloudy at end of test *clear*  
Recommended pumping rate *to 5'* G.P.M.  
with pump setting of *55'* feet below ground surface

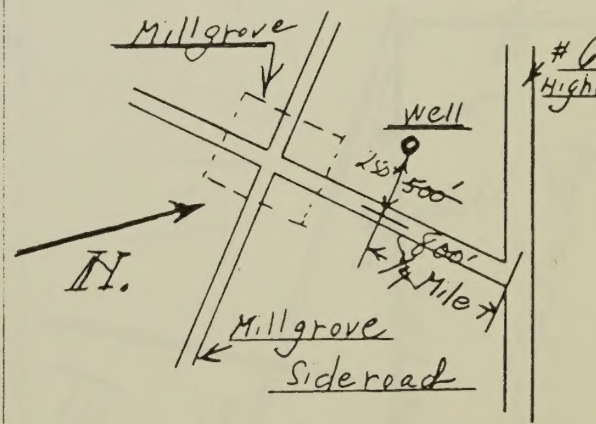
## Well Log

| Overburden and Bedrock Record | From<br>ft. | To<br>ft. | Depth(s) at<br>which water(s)<br>found | Kind of water<br>(fresh, salty,<br>sulphur) |
|-------------------------------|-------------|-----------|----------------------------------------|---------------------------------------------|
| Br. Sand.                     | 0           | 55        |                                        |                                             |
| Gravelly Grey clay            | 55          | 64        |                                        |                                             |
| Grey Limestone                | 64          | 70        | 67                                     | Fresh                                       |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |

For what purpose(s) is the water to be used? *Home*  
Is well on upland, in valley, or on hillside? *Upland*  
Drilling or Boring Firm *G. J. Wallis*  
Address *R.R. #2*  
*Stoney Creek*  
Licence Number *2113*  
Name of Driller or Borer *Same*  
Address  
Date *April 11/66*  
*George J. Wallis*  
(Signature of Licensed Drilling or Boring Contractor)

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.



Form 7 15M-40-4138

OWRC COPY







Elev. 4<sup>R</sup> 10 8 5 8

The Ontario Water Resources Commission Act

Basin 24

# WATER WELL RECORD

County or District *Northwest*

Township, Village, Town or City *W. F. Fowler*

Con. 5

Lot 19

Date completed 4<sup>th</sup> day 4<sup>th</sup> month 66<sup>th</sup> year

Owner *Ont. Dept. Highways (a H. Hatt property)*  
(print in block letters)

Address *Milgram P.B. Ont*

## Casing and Screen Record

## Pumping Test

Inside diameter of casing *6 1/4*  
Total length of casing *76*  
Type of screen *—*  
Length of screen *—*  
Depth to top of screen *—*  
Diameter of finished hole *6 in*

Static level *32*  
Test-pumping rate *10* G.P.  
Pumping level *60*  
Duration of test pumping *1 hr*  
Water clear or cloudy at end of test *clear*  
Recommended pumping rate *10* G.P.  
with pump setting of *70* feet below ground surface

## Well Log

## Water Record

| Overburden and Bedrock Record | From ft.  | To ft.    | Depth(s) at which water(s) found | Kind of water (fresh, salty, sulphur) |
|-------------------------------|-----------|-----------|----------------------------------|---------------------------------------|
| <i>Sandy loam</i>             | <i>0</i>  | <i>10</i> | <i>79</i>                        | <i>fresh</i>                          |
| <i>Sandy clay loam</i>        | <i>10</i> | <i>75</i> |                                  |                                       |
| <i>Bed Rock</i>               | <i>75</i> | <i>82</i> |                                  |                                       |
|                               |           |           |                                  |                                       |
|                               |           |           |                                  |                                       |
|                               |           |           |                                  |                                       |
|                               |           |           |                                  |                                       |

For what purpose(s) is the water to be used?

*house*

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm *Wesley Packham*

Address *Smithville*

Licence Number *1986*

Name of Driller or Borer *Wesley Packham*

Address *Smithville*

Date *Apr 4/66*

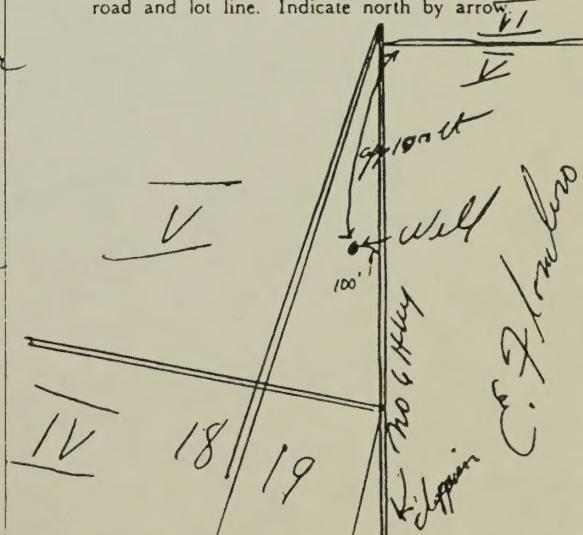
*Wesley Packham*  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY *1005 WATER (20 CH 44)*  
*1000 # SANITARY*

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







VIM  
5  
Elev. 4  
Basin 248



68 No. 13  
The Ontario Water Resources Commission Act  
West Hamboro  
Feb 15 1966  
Box 297, Waterdown

County or District *Wentworth*  
Con. *5* & Lot *19*  
Owner *George Copp*  
(print in block letters)

Township, Village, Town or City  
Date completed *15* *Feb* *1966*  
(day month year)  
Address *Box 297, Waterdown*

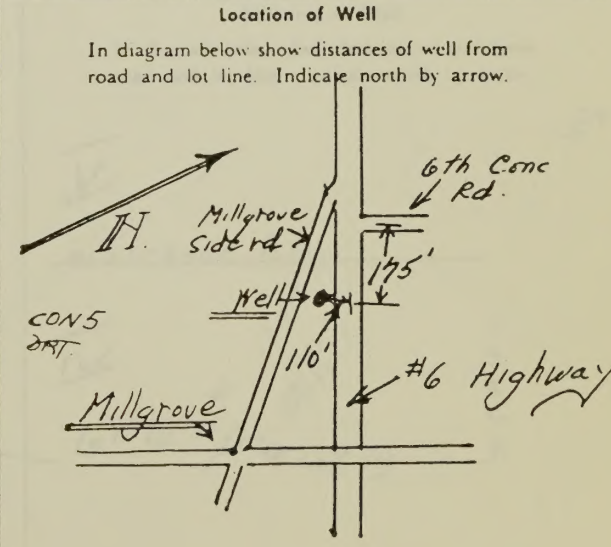
# WATER WELL RECORD

| Casing and Screen Record  |               | Pumping Test                         |                           |
|---------------------------|---------------|--------------------------------------|---------------------------|
| Inside diameter of casing | <i>6 1/4"</i> | Static level                         | <i>32'</i>                |
| Total length of casing    | <i>86'-4"</i> | Test-pumping rate                    | <i>20</i> G.P.M.          |
| Type of screen            | —             | Pumping level                        | <i>50'</i>                |
| Length of screen          | —             | Duration of test pumping             | <i>45 min</i>             |
| Depth to top of screen    | —             | Water clear or cloudy at end of test | <i>Clear</i>              |
| Diameter of finished hole | <i>6 1/4"</i> | Recommended pumping rate             | <i>25</i> G.P.M.          |
|                           |               | with pump setting of <i>75</i>       | feet below ground surface |

| Well Log                      |             |           | Water Record                           |                                             |
|-------------------------------|-------------|-----------|----------------------------------------|---------------------------------------------|
| Overburden and Bedrock Record | From<br>ft. | To<br>ft. | Depth(s) at<br>which water(s)<br>found | Kind of water<br>(fresh, salty,<br>sulphur) |
| Light Br. Sand                | 0           | 45        |                                        |                                             |
| Sandy Grey Clay               | 45          | 85        |                                        |                                             |
| Grey Limestone                | 85          | 87 1/2    | 86                                     | Fresh                                       |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |
|                               |             |           |                                        |                                             |

For what purpose(s) is the water to be used? *Home*  
Is well on upland, in valley, or on hillside? *Upland*  
Drilling or Boring Firm *C-J. Wallis*  
Address *RR # 2*  
*Stony Creek*  
Licence Number *1779*  
Name of Driller or Borer *Same*  
Address  
Date *Feb. 18/66*  
*George J. Wallis*  
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138  
OWRC COPY







4R 1173918301101

CODED



6806773

OF RESOURCES

DEC 16 1969

The Ontario Water Resources Commission Act

# WATER WELL RECORD

ONTARIO WATER RESOURCES COMMISSION

County or District

Wentworth

Con

14

Lot

18-19

Township, Village, Town or City

West Flamborough

Date completed

29

July

1968

Owner

A. POGALSKI

(print in block letters)

Address

1313 Hutter Valley Millgrove P.O. Burlington

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4

Total length of casing

72

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole

6 1/4

Static level

20

Test-pumping rate

20

Pumping level

25

Duration of test pumping

2 hrs

Water clear or cloudy at end of test

cloudy

Recommended pumping rate

5

with pump setting of

30

feet below ground surface

## Well Log

## Water Record

### Overburden and Bedrock Record

From ft.

To ft.

Depth(s) at which water(s) found

Kind of water (fresh, salty, sulphur)

Brown clay

0

12

75

fresh

Stony Blue

12

71

Shale-rock

71

75

For what purpose(s) is the water to be used?

house

Is well on upland, in valley, or on hillside?

upland

Drilling or Boring Firm

Address

Licence Number

2943

Name of Driller or Borer

Frank Chace

Address

175 Aldercrest Ave.

Date

July 29, 1968

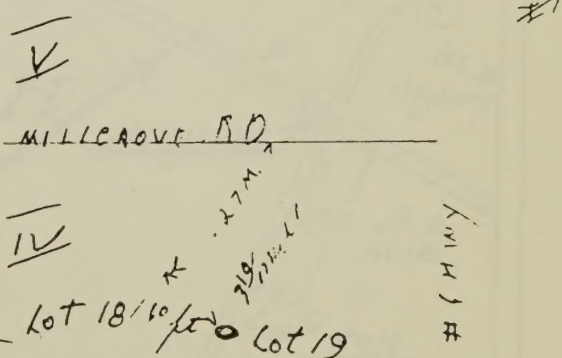
(Signature of Licensed Drilling or Boring Contractor)

Form 7 SM 60-20912

OWRC COPY

## Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.







UTM

1172 58146110

CODED

6806850

DIVISION OF  
WATER RESOURCES

JAN 31 1969

ONTARIO WATER  
RESOURCES COMMISSION

Elev.

4R 479179410

## WATER WELL RECORD

Basin

24

County or District

Wentworth

Con

4

Lot

19

Township, Village, Town or City West Hamboro

Date completed

17

Dec

68

Owner

Don Fetter

(print in block letters)

Address

RR#2, Hamilton

Millgrove P.C.

## Casing and Screen Record

## Pumping Test

Inside diameter of casing

6 1/4"

Total length of casing

70'

Type of screen

—

Length of screen

—

Depth to top of screen

—

Diameter of finished hole

6 1/4"

Static level

15

Test-pumping rate

30

G.P.M.

Pumping level

40

Duration of test pumping

1 hour

Water clear or cloudy at end of test

clear

Recommended pumping rate

10

G.P.M.

with pump setting of

60

feet below ground surface

## Well Log

## Water Record

## Overburden and Bedrock Record

From  
ft.To  
ft.Depth(s) at  
which water(s)  
foundKind of water  
(fresh, salty,  
sulphur)

Br Sand

0

40

Grey Silt

40

56

Gravelly Grey Clay

56

62 1/2

Broken Limestone

62 1/2

70

69-70 Fresh

For what purpose(s) is the water to be used?

Home

Is well on upland, in valley, or on hillside?

Upland

Drilling or Boring Firm

G.J. Wallis

Address

RR#2

Stoney Creek

Licence Number

2956

Name of Driller or Borer

Same

Address

Date

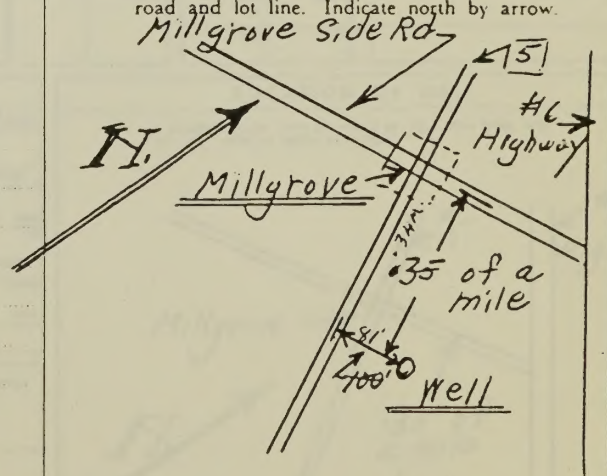
Dec 18/68

(Signature of Licensed Drilling or Boring Contractor)

Form 7

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## Location of Well

In diagram below show distances of well from  
road and lot line. Indicate north by arrow.







# WATER WELL RECORD

Water management in Ontario: PRINT ONLY IN SPACES PROVIDED

2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

6807253

68006 RPN

04

|                                            |                                                                |                                             |                           |
|--------------------------------------------|----------------------------------------------------------------|---------------------------------------------|---------------------------|
| COUNTY OR DISTRICT<br><b>Wentworth</b>     | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE<br><b>West Flamboro</b> | CON. BLOCK, TRACT, SURVEY, ETC.<br><b>4</b> | LOT<br><b>019</b>         |
| OWNER (SURNAME FIRST)<br><b>J. Deffner</b> | ADDRESS<br><b>P.O. Box 646 Mill Grove Waterdown</b>            | DATE COMPLETED<br><b>02-08-69</b>           |                           |
| ZONE<br><b>17</b>                          | EASTING<br><b>584630</b>                                       | NORTHING<br><b>4797910</b>                  | ELEVATION<br><b>42830</b> |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |    |
|----------------|----------------------|-----------------|---------------------|--------------|----|
|                |                      |                 |                     | FROM         | TO |
| Brown          | Sand                 |                 |                     | 0            | 38 |
| Grey           | Silt clay            |                 |                     | 38           | 60 |
| Grey           | clay                 | Silt & Gravel   |                     | 60           | 69 |
| Grey           | Gravel               | Sand            |                     | 69           | 70 |
|                | Limestone            |                 |                     |              | 70 |

|    |         |           |              |           |
|----|---------|-----------|--------------|-----------|
| 31 | 0038604 | 006020605 | 006920506111 | 007021109 |
| 32 |         |           |              |           |

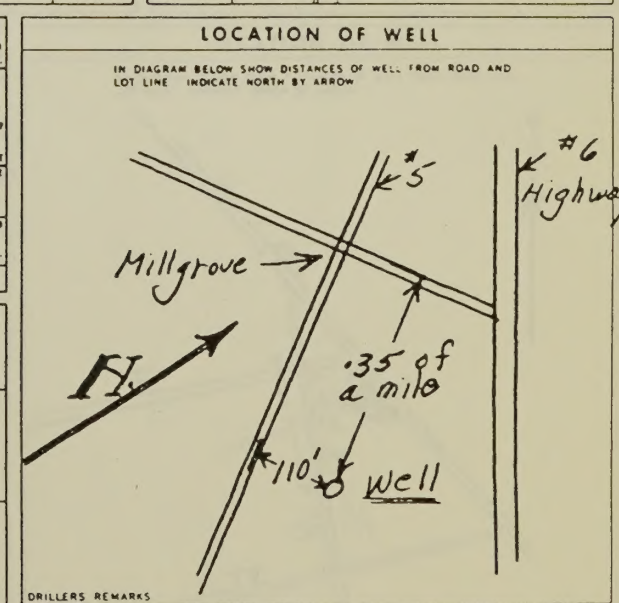
| 41 WATER RECORD |       |                                             |                                    |
|-----------------|-------|---------------------------------------------|------------------------------------|
| WATER SOUND     | FEET  | KIND OF WATER                               |                                    |
| 0069            | 10-13 | 1 <input checked="" type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR |
| 69-70           | 2     | 2 <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |
|                 | 15-18 | 1 <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |
|                 | 2     | 2 <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |
|                 | 20-23 | 1 <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |
|                 | 2     | 2 <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |
|                 | 25-28 | 1 <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |
|                 | 2     | 2 <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |
|                 | 30-33 | 1 <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |
|                 | 2     | 2 <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |

| 51 CASING & OPEN HOLE RECORD |                                             |                |              |
|------------------------------|---------------------------------------------|----------------|--------------|
| INSIDE DIA.                  | MATERIAL                                    | WALL THICKNESS | DEPTH - FEET |
| 10-11                        | 1 <input checked="" type="checkbox"/> STEEL | 12             | FROM TO      |
| 64                           | 2 <input type="checkbox"/> GALVANIZED       | 188            | 0 70         |
|                              | 3 <input type="checkbox"/> CONCRETE         |                |              |
|                              | 4 <input type="checkbox"/> OPEN HOLE        |                |              |
| 17-18                        | 1 <input type="checkbox"/> STEEL            | 19             | 20-23        |
|                              | 2 <input type="checkbox"/> GALVANIZED       |                |              |
|                              | 3 <input type="checkbox"/> CONCRETE         |                |              |
|                              | 4 <input type="checkbox"/> OPEN HOLE        |                |              |
| 24-25                        | 1 <input type="checkbox"/> STEEL            | 26             | 27-30        |
|                              | 2 <input type="checkbox"/> GALVANIZED       |                |              |
|                              | 3 <input type="checkbox"/> CONCRETE         |                |              |
|                              | 4 <input type="checkbox"/> OPEN HOLE        |                |              |

| SCREEN                        |          |        |      |
|-------------------------------|----------|--------|------|
| SIZES OF OPENING (SLOT NO. 1) | DIAMETER | LENGTH | FEET |
|                               |          |        |      |
| MATERIAL AND TYPE             |          | INCHES | FEET |
|                               |          | 41-44  | 80   |
|                               |          | FEET   |      |

| 61 PLUGGING & SEALING RECORD |       |                                |  |
|------------------------------|-------|--------------------------------|--|
| DEPTH SET AT - FEET          |       | MATERIAL AND TYPE              |  |
| FROM                         | TO    | CEMENT GROUT LEAD PACKER, ETC. |  |
| 10-13                        | 14-17 |                                |  |
| 18-21                        | 22-25 |                                |  |
| 26-29                        | 30-33 |                                |  |

| 71 PUMPING TEST                                                                                    |                                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|
| PUMPING TEST METHOD<br><input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILEY    | PUMPING RATE<br><b>0025</b> GPM.              |
| STATIC LEVEL<br><b>017</b> FEET                                                                    | WATER LEVEL END OF PUMPING<br><b>035</b> FEET |
| WATER LEVELS DURING PUMPING                                                                        |                                               |
| 15 MINUTES<br><b>035</b> FEET                                                                      | 30 MINUTES<br><b>030</b> FEET                 |
| 45 MINUTES<br><b>035</b> FEET                                                                      | 60 MINUTES<br><b>035</b> FEET                 |
| PUMP INTAKE SET AT<br><b>025</b> FEET                                                              |                                               |
| WATER AT END OF TEST<br><b>030</b> FEET                                                            |                                               |
| RECOMMENDED PUMP TYPE<br><input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP |                                               |
| RECOMMENDED PUMP SETTING<br><b>060</b> FEET                                                        |                                               |
| RECOMMENDED PUMPING RATE<br><b>0010</b> GPM.                                                       |                                               |
| SPECIFIC CAPACITY<br><b>001.4</b> GPM/FT.                                                          |                                               |



| FINAL STATUS OF WELL                               |                                                           |
|----------------------------------------------------|-----------------------------------------------------------|
| 1 <input checked="" type="checkbox"/> WATER SUPPLY | 5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| 2 <input type="checkbox"/> OBSERVATION WELL        | 6 <input type="checkbox"/> ABANDONED, POOR QUALITY        |
| 3 <input type="checkbox"/> TEST HOLE               | 7 <input type="checkbox"/> UNFINISHED                     |
| 4 <input type="checkbox"/> RECHARGE WELL           |                                                           |
| WATER USE                                          |                                                           |
| 1 <input checked="" type="checkbox"/> DOMESTIC     | 5 <input type="checkbox"/> COMMERCIAL                     |
| 2 <input type="checkbox"/> STOCK                   | 6 <input type="checkbox"/> MUNICIPAL                      |
| 3 <input type="checkbox"/> IRRIGATION              | 7 <input type="checkbox"/> PUBLIC SUPPLY                  |
| 4 <input type="checkbox"/> INDUSTRIAL              | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING    |
| 9 <input type="checkbox"/> NOT USED                |                                                           |
| METHOD OF DRILLING                                 |                                                           |
| 1 <input checked="" type="checkbox"/> CABLE TOOL   | 6 <input type="checkbox"/> BORING                         |
| 2 <input type="checkbox"/> ROTARY (CONVENTIONAL)   | 7 <input type="checkbox"/> DIAMOND                        |
| 3 <input type="checkbox"/> ROTARY (REVERSE)        | 8 <input type="checkbox"/> JETTING                        |
| 4 <input type="checkbox"/> ROTARY (AIR)            | 9 <input type="checkbox"/> DRIVING                        |
| 5 <input type="checkbox"/> AIR PERCUSSION          |                                                           |

|                                                |                                                         |
|------------------------------------------------|---------------------------------------------------------|
| NAME OF WELL CONTRACTOR<br><b>G. J. Wallis</b> | LICENCE NUMBER<br><b>338.3</b>                          |
| ADDRESS<br><b>RR #2 Stacy Creek</b>            |                                                         |
| NAME OF DRILLER OR BORE<br><b>Same</b>         | LICENCE NUMBER                                          |
| SIGNATURE OF CONTRACTOR<br><b>G. J. Wallis</b> | SUBMISSION DATE<br><b>14</b> MO. <b>9</b> YR. <b>69</b> |

| OFFICE USE ONLY                         |                                   |
|-----------------------------------------|-----------------------------------|
| DATA SOURCE<br><b>1</b>                 | 54-17 CONTRACTOR<br><b>170969</b> |
| DATE OF INSPECTION<br><b>16, 10, 70</b> | INSPECTOR<br><b>7710</b>          |
| REMARKS                                 |                                   |

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# WATER WELL RECORD

Water management in Ontario: PRINT ONLY IN SPACES PROVIDED

2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

6807714

68005

CON

106

|                                              |                                                              |                                   |                              |
|----------------------------------------------|--------------------------------------------------------------|-----------------------------------|------------------------------|
| COUNTY OR DISTRICT<br><b>WENTWORTH</b>       | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE<br><b>FLAMBORO E.</b> | CONTRACT NUMBER<br><b>6807714</b> | DATE COMPLETED<br><b>013</b> |
| OWNER (SURNAME FIRST)<br><b>ATOLONICS L.</b> | ADDRESS<br><b>R.R.# 2, Hamilton</b>                          | DATE COMPLETED<br><b>05</b>       | DATE COMPLETED<br><b>70</b>  |
| ZONE<br><b>17</b>                            | EASTING<br><b>583860</b>                                     | NORTHING<br><b>4799710</b>        | ELEVATION<br><b>0870</b>     |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |    |
|----------------|----------------------|-----------------|---------------------|--------------|----|
|                |                      |                 |                     | FROM         | TO |
| BLACK          | SANDY LOAM           |                 |                     | 0            | 5  |
| BROWN          | "                    |                 |                     | 5            | 80 |
|                |                      | FINE GRAVEL     |                     | 80           | 87 |
|                |                      | LIME STONE      |                     | 87           | 93 |

|    |           |           |         |         |
|----|-----------|-----------|---------|---------|
| 31 | 000870000 | 000800000 | 0008711 | 0008415 |
| 32 |           |           |         |         |

|                       |                                                                          |                     |                                           |                       |                           |
|-----------------------|--------------------------------------------------------------------------|---------------------|-------------------------------------------|-----------------------|---------------------------|
| 41                    | WATER RECORD                                                             | 51                  | CASING & OPEN HOLE RECORD                 | 61                    | PLUGGING & SEALING RECORD |
| WATER FOUND AT - FEET | KIND OF WATER                                                            | INSIDE DIAM. INCHES | MATERIAL                                  | WALL THICKNESS INCHES | DEPTH - FEET              |
| 10-13                 | <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY | 10-11               | <input checked="" type="checkbox"/> STEEL | 12                    | 13-16                     |
| 15-18                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY            | 15-18               | <input type="checkbox"/> GALVANIZED       | 188                   | 0 87                      |
| 20-23                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY            | 20-23               | <input type="checkbox"/> CONCRETE         |                       | 0087                      |
| 25-28                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY            | 25-28               | <input type="checkbox"/> OPEN HOLE        |                       | 0094                      |
| 30-33                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY            | 30-33               | <input type="checkbox"/> STEEL            |                       | 87 94                     |

|                                                                          |                            |                     |                                                                           |                          |                          |
|--------------------------------------------------------------------------|----------------------------|---------------------|---------------------------------------------------------------------------|--------------------------|--------------------------|
| 71                                                                       | PUMPING TEST METHOD        | 10                  | PUMPING RATE                                                              | 11-14                    | DURATION OF PUMPING      |
| <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILEY | 10-35                      | 0035                | GPM                                                                       | 01                       | 15-16 HOURS 00           |
| STATIC LEVEL                                                             | WATER LEVEL END OF PUMPING | WATER LEVELS DURING | 17-18                                                                     | 19-20                    | 21-22                    |
| 19-21                                                                    | 22-24                      | 25-28               | 29-31                                                                     | 32-34                    | 35-37                    |
| 052                                                                      | 060                        | 052                 | 052                                                                       | 052                      | 052                      |
| IF FLOWING GIVE RATE                                                     | 38-41                      | PUMP INTAKE SET AT  | 42                                                                        | 43-45                    | 46-48                    |
|                                                                          | GPM                        | FEET                | <input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY | RECOMMENDED PUMP SETTING | RECOMMENDED PUMPING RATE |
|                                                                          |                            |                     |                                                                           | 090                      | 0030                     |
| 50-53                                                                    | 004                        | 4                   | GPM/FT. SPECIFIC CAPACITY                                                 |                          |                          |

|                      |                                                    |                                                           |
|----------------------|----------------------------------------------------|-----------------------------------------------------------|
| FINAL STATUS OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY | 5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
|                      | 2 <input type="checkbox"/> OBSERVATION WELL        | 6 <input type="checkbox"/> ABANDONED, POOR QUALITY        |
|                      | 3 <input type="checkbox"/> TEST HOLE               | 7 <input type="checkbox"/> UNFINISHED                     |
|                      | 4 <input type="checkbox"/> RECHARGE WELL           |                                                           |
| WATER USE            | 1 <input checked="" type="checkbox"/> DOMESTIC     | 5 <input type="checkbox"/> COMMERCIAL                     |
|                      | 2 <input type="checkbox"/> STOCK                   | 6 <input type="checkbox"/> MUNICIPAL                      |
|                      | 3 <input type="checkbox"/> IRRIGATION              | 7 <input type="checkbox"/> PUBLIC SUPPLY                  |
|                      | 4 <input type="checkbox"/> INDUSTRIAL              | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING    |
|                      | <input type="checkbox"/> OTHER                     | 9 <input type="checkbox"/> NOT USED                       |
| METHOD OF DRILLING   | 1 <input checked="" type="checkbox"/> CABLE TOOL   | 6 <input type="checkbox"/> BORING                         |
|                      | 2 <input type="checkbox"/> ROTARY (CONVENTIONAL)   | 7 <input type="checkbox"/> DIAMOND                        |
|                      | 3 <input type="checkbox"/> ROTARY (REVERSE)        | 8 <input type="checkbox"/> JETTING                        |
|                      | 4 <input type="checkbox"/> ROTARY (AIR)            | 9 <input type="checkbox"/> DRIVING                        |
|                      | 5 <input type="checkbox"/> AIR PERCUSSION          |                                                           |

### LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW

DRILLERS REMARKS

|            |                                                 |                                    |
|------------|-------------------------------------------------|------------------------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br><b>CROSS. BROS.</b>  | LICENCE NUMBER<br><b>1620</b>      |
|            | ADDRESS<br><b>38 KENNEDY AVE. HAMILTON</b>      |                                    |
|            | NAME OF DRILLER OR BORER<br><b>ARTHUR CROSS</b> | LICENCE NUMBER<br><b>1620</b>      |
|            | SIGNATURE OF CONTRACTOR<br><b>Howard Cross</b>  | SUBMISSION DATE<br><b>5 NOV 70</b> |

|                 |                                        |                           |                                |
|-----------------|----------------------------------------|---------------------------|--------------------------------|
| OFFICE USE ONLY | DATA SOURCE<br><b>1</b>                | CONTRACTOR<br><b>1620</b> | DATE RECEIVED<br><b>290371</b> |
|                 | DATE OF INSPECTION<br><b>30, 8, 71</b> | INSPECTOR<br><b>7 10</b>  |                                |
|                 | REMARKS                                |                           |                                |

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2 CHECK ☒ CORRECT BOX WHERE APPLICABLE

6807752

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

69

MUNICIPAL CORP

19.4

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| 61 PLUGGING & SEALING RECORD |       |                   |                                    |
|------------------------------|-------|-------------------|------------------------------------|
| DEPTH SET AT - FEET          |       | MATERIAL AND TYPE | CEMENT GROUT,<br>LEAD PACKER, ETC. |
| FROM                         | TO    |                   |                                    |
| 10-13                        | 14-15 |                   |                                    |
| 18-21                        | 22-25 |                   |                                    |
| 24-28                        | 30-33 | BO                |                                    |

|                                   |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                           |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>FINAL<br/>STATUS OF WELL</p>   | <p>54 <input checked="" type="checkbox"/> 1 WATER SUPPLY<br/> <input type="checkbox"/> 2 OBSERVATION WELL<br/> <input type="checkbox"/> 3 TEST HOLE<br/> <input type="checkbox"/> 4 RECHARGE WELL</p>                                                         | <p><input type="checkbox"/> 5 ABANDONED, INSUFFICIENT SUPPLY<br/> <input type="checkbox"/> 6 ABANDONED, POOR QUALITY<br/> <input type="checkbox"/> 7 UNFINISHED</p>                                                                       |
| <p>WATER<br/>USE</p> <p>01</p>    | <p>55-56 <input checked="" type="checkbox"/> 1 DOMESTIC<br/> <input checked="" type="checkbox"/> 2 STOCK<br/> <input type="checkbox"/> 3 IRRIGATION<br/> <input type="checkbox"/> 4 INDUSTRIAL<br/> <input type="checkbox"/> OTHER _____</p>                  | <p><input type="checkbox"/> 5 COMMERCIAL<br/> <input type="checkbox"/> 6 MUNICIPAL<br/> <input type="checkbox"/> 7 PUBLIC SUPPLY<br/> <input type="checkbox"/> 8 COOLING OR AIR CONDITIONING<br/> <input type="checkbox"/> 9 NOT USED</p> |
| <p>METHOD<br/>OF<br/>DRILLING</p> | <p>57 <input checked="" type="checkbox"/> 1 CABLE TOOL<br/> <input type="checkbox"/> 2 ROTARY (CONVENTIONAL)<br/> <input type="checkbox"/> 3 ROTARY (REVERSE)<br/> <input type="checkbox"/> 4 ROTARY (AIR)<br/> <input type="checkbox"/> 5 AIR PERCUSSION</p> | <p><input type="checkbox"/> 6 BORING<br/> <input type="checkbox"/> 7 DIAMOND<br/> <input type="checkbox"/> 8 JETTING<br/> <input type="checkbox"/> 9 DRIVING</p>                                                                          |

|                 |                    |           |               |           |               |       |    |
|-----------------|--------------------|-----------|---------------|-----------|---------------|-------|----|
| OFFICE USE ONLY | DATA SOURCE        | 1         | 38 CONTRACTOR | 59-62     | DATE RECEIVED | 63-68 | NO |
|                 |                    |           | 1620          |           | 220671        |       |    |
|                 | DATE OF INSPECTION | 21, 4, 72 |               | INSPECTOR | 7             |       |    |
|                 | REMARKS            |           |               |           |               | P 7   |    |
|                 |                    |           |               |           |               | WI    |    |

OWRC COPY







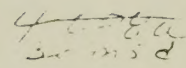












Chen

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

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# WATER WELL RECORD



| WELL IDENTIFICATION |           | WELL LOCATION |          | WELL DEPTH |              | WELL TYPE                      |                                  | WELL STATUS    |                      |
|---------------------|-----------|---------------|----------|------------|--------------|--------------------------------|----------------------------------|----------------|----------------------|
| WELL NO.            | WELL NAME | TOWNSHIP      | RANGE    | SECTION    | DEPTH (FEET) | TYPE (ARTESIAN, CISTERN, ETC.) | STATUS (ACTIVE, ABANDONED, ETC.) | DATE OF RECORD | REMARKS              |
| 1                   | WELL 1    | T. 1 N.       | R. 1 E.  | S. 1       | 10           | ARTESIAN                       | ACTIVE                           | 1/1/1900       | First record         |
| 2                   | WELL 2    | T. 2 N.       | R. 2 E.  | S. 2       | 15           | CISTERN                        | ABANDONED                        | 2/1/1901       | Abandoned due to dry |
| 3                   | WELL 3    | T. 3 N.       | R. 3 E.  | S. 3       | 20           | ARTESIAN                       | ACTIVE                           | 3/1/1902       | Second record        |
| 4                   | WELL 4    | T. 4 N.       | R. 4 E.  | S. 4       | 25           | CISTERN                        | ABANDONED                        | 4/1/1903       | Abandoned due to dry |
| 5                   | WELL 5    | T. 5 N.       | R. 5 E.  | S. 5       | 30           | ARTESIAN                       | ACTIVE                           | 5/1/1904       | Third record         |
| 6                   | WELL 6    | T. 6 N.       | R. 6 E.  | S. 6       | 35           | CISTERN                        | ABANDONED                        | 6/1/1905       | Abandoned due to dry |
| 7                   | WELL 7    | T. 7 N.       | R. 7 E.  | S. 7       | 40           | ARTESIAN                       | ACTIVE                           | 7/1/1906       | Fourth record        |
| 8                   | WELL 8    | T. 8 N.       | R. 8 E.  | S. 8       | 45           | CISTERN                        | ABANDONED                        | 8/1/1907       | Abandoned due to dry |
| 9                   | WELL 9    | T. 9 N.       | R. 9 E.  | S. 9       | 50           | ARTESIAN                       | ACTIVE                           | 9/1/1908       | Fifth record         |
| 10                  | WELL 10   | T. 10 N.      | R. 10 E. | S. 10      | 55           | CISTERN                        | ABANDONED                        | 10/1/1909      | Abandoned due to dry |





CO-



21

32

41  
WATER FOUNTAIN  
AT - FEET  
10  
2265

| 61 PLUGGING & SEALING RECORD |       |                                                     |  |
|------------------------------|-------|-----------------------------------------------------|--|
| DEPTH SET AT - FEET          |       | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |  |
| FROM                         | TO    |                                                     |  |
| 10-13                        | 14-17 |                                                     |  |
| 18-21                        | 22-25 |                                                     |  |
| 26-29                        | 30-33 | BO                                                  |  |

|              |        |                    |
|--------------|--------|--------------------|
| PUMPING TEST | 71     | PUMPING            |
|              |        | 1                  |
|              |        | ST<br>LE           |
|              | 01     |                    |
|              |        | IF FLOW<br>GIVE RA |
|              | RECOMM |                    |
|              |        | 50-53              |

## DRILLERS REMARKS

|                  |         |                  |
|------------------|---------|------------------|
| FIN<br>STA<br>OF | WA<br>U | MET<br>C<br>DRIL |
|------------------|---------|------------------|

|                   |           |   |
|-------------------|-----------|---|
| <b>CONTRACTOR</b> | NAME      | C |
|                   | ADDRESS   | 3 |
|                   | NAME      | A |
|                   | SIGNATURE | 2 |

|                 |                    |    |
|-----------------|--------------------|----|
| OFFICE USE ONLY | DATA SOURCE        | 1  |
|                 | DATE OF INSPECTION | 21 |
|                 | REMARKS:           |    |

OWRC COPY





Ministry  
of the  
Environment

The Ontario Water Resources Act

# WATER WELL RECORD

6810292

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CO  
CQ

105

1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK ☒ CORRECT BOX WHERE APP. (ABLE)

|                                       |                                                                |                                        |            |
|---------------------------------------|----------------------------------------------------------------|----------------------------------------|------------|
| COUNTY OR DISTRICT<br>WENTWORTH       | TOWNSHIP BOROUGH CITY TOWN VILLAGE<br>(WEST FLAMBORO) FLAMBORO | CON. BLOCK TRACT SURVEY ETC<br>CON. 5  | LOT<br>019 |
| OWNER (SURNAME FIRST)<br>BINKLEY GORD | ADDRESS<br>MILLGROVE P.O. ONT.                                 | DATE COMPLETED<br>DAY 23 MO 07 YEAR 81 |            |

(21) **17** **384660** **4798600** **4** **0810** **4** **24**

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

(31) 00246|2877||00422058.177|005322877||00562238|1177|006021573||

32

| 41                  |        | WATER RECORD  |                                           |   |                                  |
|---------------------|--------|---------------|-------------------------------------------|---|----------------------------------|
| WATER FOUND AT FEET |        | KIND OF WATER |                                           |   |                                  |
| 00-58               | NO. 13 | 1             | <input checked="" type="checkbox"/> FRESH | 3 | <input type="checkbox"/> SULPHUR |
|                     |        | 2             | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |
| 15-40               |        | 1             | <input type="checkbox"/> FRESH            | 3 | <input type="checkbox"/> SULPHUR |
|                     |        | 2             | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |
| 20-23               |        | 1             | <input type="checkbox"/> FRESH            | 3 | <input type="checkbox"/> SULPHUR |
|                     |        | 2             | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |
| 25-28               |        | 1             | <input type="checkbox"/> FRESH            | 3 | <input type="checkbox"/> SULPHUR |
|                     |        | 2             | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |
| 30-33               |        | 1             | <input type="checkbox"/> FRESH            | 3 | <input type="checkbox"/> SULPHUR |
|                     |        | 2             | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |

| 51 CASING & OPEN HOLE RECORD                                                                                                                                                   |                | DEPTH                |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|----------------------|
| INSIDE<br>DIAM<br>INCHES                                                                                                                                                       | WATER<br>LEVEL | FEET<br>DOWN<br>PIPE | FEET<br>TO<br>BOTTOM |
| 1 <input checked="" type="checkbox"/> STEEL<br>2 <input type="checkbox"/> GALVANIZED<br>3 <input type="checkbox"/> CONCRETE<br>4 <input type="checkbox"/> OPEN HOLE            |                | 188                  | +1 0057              |
| 1 <input checked="" type="checkbox"/> STEEL<br>2 <input type="checkbox"/> GALVANIZED<br>3 <input type="checkbox"/> CONCRETE<br>4 <input checked="" type="checkbox"/> OPEN HOLE |                | 57                   | 0060                 |

|        |                    |       |         |                        |        |       |
|--------|--------------------|-------|---------|------------------------|--------|-------|
| SCREEN | SECTION OF OPENING | 31-33 | DRAWING | 34-36                  | LENGTH | 37-40 |
|        | WELL NO.           |       |         |                        |        |       |
|        | INCHES             |       |         | FEET                   |        |       |
|        | MATERIAL AND TYPE  |       |         | DEPTH TO TOP OF SCREEN |        |       |
|        |                    |       |         | 31-40 16               |        |       |

| 61           |       | PLUGGING & SEALING RECORD |                              |
|--------------|-------|---------------------------|------------------------------|
| DEPTH SET AT | FEET  | MATERIAL AND TYPE         | CEMENT CEMENT<br>LEAD PACKER |
| 10.15        | 10.17 |                           |                              |
| 10.21        | 22.25 |                           |                              |
| 20.70        | 30.33 | 60"                       |                              |

|                                                                           |                                                                              |                          |                            |                    |                     |                                                                               |            |       |  |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------|----------------------------|--------------------|---------------------|-------------------------------------------------------------------------------|------------|-------|--|
| PUMPING TEST                                                              | PUMPING TEST WITHIN                                                          |                          | PUMPING RATE               |                    | DATE                |                                                                               | TIME       |       |  |
|                                                                           | 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILEY |                          | 0035                       |                    | 02                  |                                                                               | 15-15 00   |       |  |
|                                                                           | STATIC LEVEL                                                                 |                          | WATER LEVEL END OF PUMPING |                    | WATER LEVELS DURING |                                                                               |            |       |  |
|                                                                           | 18-21                                                                        |                          | 22-24                      |                    | 15 MINUTES          |                                                                               | 30 MINUTES |       |  |
|                                                                           | 015                                                                          |                          | 025                        |                    | 015                 |                                                                               | 015        |       |  |
| FEET                                                                      |                                                                              | FEET                     |                            | FEET               |                     | FEET                                                                          |            | FEET  |  |
| IF FLOWING GIVE RATE                                                      |                                                                              | 38-41                    |                            | PUMP INTAKE SET AT |                     | WATER AT END OF TEST                                                          |            | 62    |  |
|                                                                           |                                                                              | CPW                      |                            |                    |                     | 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY |            |       |  |
| RECOMMENDED PUMP TYPE                                                     |                                                                              | RECOMMENDED PUMP SETTING |                            | 63-65              |                     | RECOMMENDED PUMPING RATE                                                      |            | 66-68 |  |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP |                                                                              | 050                      |                            | FEET               |                     | 010                                                                           |            | CPW   |  |
| 94-98                                                                     |                                                                              |                          |                            |                    |                     |                                                                               |            |       |  |

|                                     |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>FINAL<br/>STATUS<br/>OF WELL</p> | <p>54</p> <p>1 <input checked="" type="checkbox"/> WATER SUPPLY</p> <p>2 <input type="checkbox"/> OBSERVATION WELL</p> <p>3 <input type="checkbox"/> TEST HOLE</p> <p>4 <input type="checkbox"/> RECHARGE WELL</p>                                                           | <p>5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY</p> <p>6 <input type="checkbox"/> ABANDONED POOR QUALITY</p> <p>7 <input type="checkbox"/> UNFINISHED</p>                                                                                                      |
| <p>WATER<br/>USE</p>                | <p>55-56</p> <p>1 <input checked="" type="checkbox"/> DOMESTIC</p> <p>2 <input type="checkbox"/> STOCK</p> <p>3 <input type="checkbox"/> IRRIGATION</p> <p>4 <input type="checkbox"/> INDUSTRIAL</p> <p style="text-align: center;"><input type="checkbox"/> OTHER _____</p> | <p>5 <input type="checkbox"/> COMMERCIAL</p> <p>6 <input type="checkbox"/> MUNICIPAL</p> <p>7 <input type="checkbox"/> PUBLIC SUPPLY</p> <p>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING</p> <p style="text-align: right;"><input type="checkbox"/> NOT USED</p> |
| <p>METHOD<br/>OF<br/>DRILLING</p>   | <p>57</p> <p>1 <input checked="" type="checkbox"/> CABLE TOOL</p> <p>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)</p> <p>3 <input type="checkbox"/> ROTARY (REVERSE)</p> <p>4 <input type="checkbox"/> ROTARY (AIR)</p> <p>5 <input type="checkbox"/> AIR PERCUSSION</p> | <p>6 <input type="checkbox"/> BORING</p> <p>7 <input type="checkbox"/> DIAMOND</p> <p>8 <input type="checkbox"/> JETTING</p> <p>9 <input type="checkbox"/> DRIVING</p>                                                                                                     |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT 19. INDICATE NORTH BY ARROW

LOT 18

CONV

WELL LOT 19.

10m

BINKLEY RD

15km

MILL GROVE.

15km

CONS.

HWY #6.

DRAWN BY

DATE

DRILLERS REMARKS

|            |                                                                                                                |  |                                                |
|------------|----------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br><b>O'CONNOR WELL DRILLING LTD.</b>                                                  |  | LICENCE NUMBER<br><b>4005</b>                  |
|            | ADDRESS<br><b>RR # 1 MILLGROVE ONT. LOR IVO</b>                                                                |  |                                                |
|            | NAME OF DRILLER OR BORER<br><b>J. O'CONNOR</b>                                                                 |  | LICENCE NUMBER                                 |
|            | SIGNATURE OF CONTRACTOR<br> |  | SUBMISSION DATE<br>DAY _____ MO _____ YR _____ |

|                 |                    |      |            |       |                 |       |    |
|-----------------|--------------------|------|------------|-------|-----------------|-------|----|
| OFFICE USE ONLY | DATA SOURCE        | 58   | CONTRACTOR | 59-61 | RECEIVED        | 62-68 | 69 |
|                 | 1                  | 4005 | 010981     |       |                 |       |    |
|                 | DATE OF INSPECTION |      | INSPECTOR  |       | May 21/82<br>JW |       |    |
|                 | REMARKS:           |      |            |       |                 |       |    |

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 05-06-4-77 FORM 7







Environment

Ontario

## WATER WELL RECORD

The Ontario Water Resources Act

39/81

6810296

68006 CON

05

COUNTY OR DISTRICT: Hamilton--Wentworth  
TOWNSHIP: West Flamboro  
MUNICIPALITY: NO. 1  
CITY: Hamilton  
ADDRESS: City Hall, Hamilton  
DATE: 19 1981  
WELL NUMBER: 018  
WELL TYPE: CON  
WELL DEPTH: 63

| LOG OF OVERBURDEN AND BEDROCK |                      |                 |                     | DEPTH (FEET) |              |
|-------------------------------|----------------------|-----------------|---------------------|--------------|--------------|
| GENERAL COLOUR                | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH (FEET) | DEPTH (FEET) |
|                               | Top Soil             |                 |                     | 0            | 2            |
| Brown                         | Clay                 | Stones          |                     | 2            | 11           |
| Gray                          | F. Sand              | Clay            |                     | 11           | 48           |
| Gray                          | Clay                 | Stones          |                     | 48           | 58           |
| Gray                          | Rock                 |                 |                     | 58           | 63           |

Total Depth 63

31 0002 02 0011160512 004820805 005820512 006331212  
32 00 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190 1200 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350 1360 1370 1380 1390 1400 1410 1420 1430 1440 1450 1460 1470 1480 1490 1500 1510 1520 1530 1540 1550 1560 1570 1580 1590 1600 1610 1620 1630 1640 1650 1660 1670 1680 1690 1700 1710 1720 1730 1740 1750 1760 1770 1780 1790 1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010 2020 2030 2040 2050 2060 2070 2080 2090 2100 2110 2120 2130 2140 2150 2160 2170 2180 2190 2200 2210 2220 2230 2240 2250 2260 2270 2280 2290 2300 2310 2320 2330 2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620 3630 3640 3650 3660 3670 3680 3690 3700 3710 3720 3730 3740 3750 3760 3770 3780 3790 3800 3810 3820 3830 3840 3850 3860 3870 3880 3890 3900 3910 3920 3930 3940 3950 3960 3970 3980 3990 4000 4010 4020 4030 4040 4050 4060 4070 4080 4090 4100 4110 4120 4130 4140 4150 4160 4170 4180 4190 4200 4210 4220 4230 4240 4250 4260 4270 4280 4290 4300 4310 4320 4330 4340 4350 4360 4370 4380 4390 4400 4410 4420 4430 4440 4450 4460 4470 4480 4490 4500 4510 4520 4530 4540 4550 4560 4570 4580 4590 4600 4610 4620 4630 4640 4650 4660 4670 4680 4690 4700 4710 4720 4730 4740 4750 4760 4770 4780 4790 4800 4810 4820 4830 4840 4850 4860 4870 4880 4890 4900 4910 4920 4930 4940 4950 4960 4970 4980 4990 5000 5010 5020 5030 5040 5050 5060 5070 5080 5090 5100 5110 5120 5130 5140 5150 5160 5170 5180 5190 5200 5210 5220 5230 5240 5250 5260 5270 5280 5290 5300 5310 5320 5330 5340 5350 5360 5370 5380 5390 5400 5410 5420 5430 5440 5450 5460 5470 5480 5490 5500 5510 5520 5530 5540 5550 5560 5570 5580 5590 5600 5610 5620 5630 5640 5650 5660 5670 5680 5690 5700 5710 5720 5730 5740 5750 5760 5770 5780 5790 5800 5810 5820 5830 5840 5850 5860 5870 5880 5890 5900 5910 5920 5930 5940 5950 5960 5970 5980 5990 6000 6010 6020 6030 6040 6050 6060 6070 6080 6090 6100 6110 6120 6130 6140 6150 6160 6170 6180 6190 6200 6210 6220 6230 6240 6250 6260 6270 6280 6290 6300 6310 6320 6330 6340 6350 6360 6370 6380 6390 6400 6410 6420 6430 6440 6450 6460 6470 6480 6490 6500 6510 6520 6530 6540 6550 6560 6570 6580 6590 6600 6610 6620 6630 6640 6650 6660 6670 6680 6690 6700 6710 6720 6730 6740 6750 6760 6770 6780 6790 6800 6810 6820 6830 6840 6850 6860 6870 6880 6890 6900 6910 6920 6930 6940 6950 6960 6970 6980 6990 7000 7010 7020 7030 7040 7050 7060 7070 7080 7090 7100 7110 7120 7130 7140 7150 7160 7170 7180 7190 7200 7210 7220 7230 7240 7250 7260 7270 7280 7290 7300 7310 7320 7330 7340 7350 7360 7370 7380 7390 7400 7410 7420 7430 7440 7450 7460 7470 7480 7490 7500 7510 7520 7530 7540 7550 7560 7570 7580 7590 7600 7610 7620 7630 7640 7650 7660 7670 7680 7690 7700 7710 7720 7730 7740 7750 7760 7770 7780 7790 7800 7810 7820 7830 7840 7850 7860 7870 7880 7890 7900 7910 7920 7930 7940 7950 7960 7970 7980 7990 8000 8010 8020 8030 8040 8050 8060 8070 8080 8090 8100 8110 8120 8130 8140 8150 8160 8170 8180 8190 8200 8210 8220 8230 8240 8250 8260 8270 8280 8290 8300 8310 8320 8330 8340 8350 8360 8370 8380 8390 8400 8410 8420 8430 8440 8450 8460 8470 8480 8490 8500 8510 8520 8530 8540 8550 8560 8570 8580 8590 8600 8610 8620 8630 8640 8650 8660 8670 8680 8690 8700 8710 8720 8730 8740 8750 8760 8770 8780 8790 8800 8810 8820 8830 8840 8850 8860 8870 8880 8890 8900 8910 8920 8930 8940 8950 8960 8970 8980 8990 9000 9010 9020 9030 9040 9050 9060 9070 9080 9090 9100 9110 9120 9130 9140 9150 9160 9170 9180 9190 9200 9210 9220 9230 9240 9250 9260 9270 9280 9290 9300 9310 9320 9330 9340 9350 9360 9370 9380 9390 9400 9410 9420 9430 9440 9450 9460 9470 9480 9490 9500 9510 9520 9530 9540 9550 9560 9570 9580 9590 9600 9610 9620 9630 9640 9650 9660 9670 9680 9690 9700 9710 9720 9730 9740 9750 9760 9770 9780 9790 9800 9810 9820 9830 9840 9850 9860 9870 9880 9890 9900 9910 9920 9930 9940 9950 9960 9970 9980 9990 10000 10010 10020 10030 10040 10050 10060 10070 10080 10090 10100 10110 10120 10130 10140 10150 10160 10170 10180 10190 10200 10210 10220 10230 10240 10250 10260 10270 10280 10290 10300 10310 10320 10330 10340 10350 10360 10370 10380 10390 10400 10410 10420 10430 10440 10450 10460 10470 10480 10490 10500 10510 10520 10530 10540 10550 10560 10570 10580 10590 10600 10610 10620 10630 10640 10650 10660 10670 10680 10690 10700 10710 10720 10730 10740 10750 10760 10770 10780 10790 10800 10810 10820 10830 10840 10850 10860 10870 10880 10890 10900 10910 10920 10930 10940 10950 10960 10970 10980 10990 11000 11010 11020 11030 11040 11050 11060 11070 11080 11090 11100 11110 11120 11130 11140 11150 11160 11170 11180 11190 11200 11210 11220 11230 11240 11250 11260 11270 11280 11290 11300 11310 11320 11330 11340 11350 11360 11370 11380 11390 11400 11410 11420 11430 11440 11450 11460 11470 11480 11490 11500 11510 11520 11530 11540 11550 11560 11570 11580 11590 11600 11610 11620 11630 11640 11650 11660 11670 11680 11690 11700 11710 11720 11730 11740 11750 11760 11770 11780 11790 11800 11810 11820 11830 11840 11850 11860 11870 11880 11890 11900 11910 11920 11930 11940 11950 11960 11970 11980 11990 12000 12010 12020 12030 12040 12050 12060 12070 12080 12090 12100 12110 12120 12130 12140 12150 12160 12170 12180 12190 12200 12210 12220 12230 12240 12250 12260 12270 12280 12290 12300 12310 12320 12330 12340 12350 12360 12370 12380 12390 12400 12410 12420 12430 12440 12450 12460 12470 12480 12490 12500 12510 12520 12530 12540 12550 12560 12570 12580 12590 12600 12610 12620 12630 12640 12650 12660 12670 12680 12690 12700 12710 12720 12730 12740 12750 12760 12770 12780 12790 12800 12810 12820 12830 12840 12850 12860 12870 12880 12890 12900 12910 12920 12930 12940 12950 12960 12970 12980 12990 13000 13010 13020 13030 13040 13050 13060 13070 13080 13090 13100 13110 13120 13130 13140 13150 13160 13170 13180 13190 13200 13210 13220 13230 13240 13250 13260 13270 13280 13290 13300 13310 13320 13330 13340 13350 13360 13370 13380 13390 13400 13410 13420 13430 13440 13450 13460 13470 13480 13490 13500 13510 13520 13530 13540 13550 13560 13570 13580 13590 13600 13610 13620 13630 13640 13650 13660 13670 13680 13690 13700 13710 13720 13730 13740 13750 13760 13770 13780 13790 13800 13810 13820 13830 13840 13850 13860 13870 13880 13890 13900 13910 13920 13930 13940 13950 13960 13970 13980 13990 14000 14010 14020 14030 14040 14050 14060 14070 14080 14090 14100 14110 14120 14130 14140 14150 14160 14170 14180 14190 14200 14210 14220 14230 14240 14250 14260 14270 14280 14290 14300 14310 14320 14330 14340 14350 14360 14370 14380 14390 14400 14410 14420 14430 14440 14450 14460 14470 14480 14490 14500 14510 14520 14530 14540 14550 14560 14570 14580 14590 14600 14610 14620 14630 14640 14650 14660 14670 14680 14690 14700 14710 14720 14730 14740 14750 14760 14770 14780 14790 14800 14810 14820 14830 14840 14850 14860 14870 14880 14890 14900 14910 14920 14930 14940 14950 14960 14970 14980 14990 15000 15010 15020 15030 15040 15050 15060 15070 15080 15090 15100 15110 15120 15130 15140 15150 15160 15170 15180 15190 15200 15210 15220 15230 15240 15250 15260 15270 15280 15290 15300 15310 15320 15330 15340 15350 15360 15370 15380 15390 15400 15410 15420 15430 15440 15450 15460 15470 15480 15490 15500 15510 15520 15530 15540 15550 15560 15570 15580 15590 15600 15610 15620 15630 15640 15650 15660 15670 15680 15690 15700 15710 15720 15730 15740 15750 15760 15770 15780 15790 15800 15810 15820 15830 15840 15850 15860 15870 15880 15890 15900 15910 15920 15930 15940 15950 15960 15970 15980 15990 16000 16010 16020 16030 16040 16050 16060 16070 16080 16090 16100 16110 16120 16130 16140 16150 16160 16170 16180 16190 16200 16210 16220 16230 16240 16250 16260 16270 16280 16290 16300 16310 16320 16330 16340 16350 16360 16370 16380 16390 16400 16410 16420 16430 16440 16450 16460 16470 16480 16490 16500 16510 16520 16530 16540 16550 16560 16570 16580 16590 16600 16610 16620 16630 16640 16650 16660 16670 16680 16690 16700 16710 16720 16730 16740 16750 16760 16770 16780 16790 16800 16810 16820 16830 16840 16850 16860 16870 16880 16890 16900 16910 16920 16930 16940 16950 16960 16970 16980 16990 17000 17010 17020 17030 17040 17050 17060 17070 17080 17090 17100 17110 17120 17130 17140 17150 17160 17170 17180 17190 17200 17210 17220 17230 17240 17250 17260 17270 17280 17290 17300 17310 17320 17330 17340 17350 17360 17370 17380 17390 17400 17410 17420 17430 17440 17450 17460 17470 17480 17490 17500 17510 17520 17530 17540 17550 17560 17570 17580 17590 17600 17610 17620 17630 17640 17650 17660 17670 17680 17690 17700 17710 17720 17730 17740 17750 17760 17770 17780 17790 17800 17810 17820 17830 17840 17850 17860 17870 17880 17890 17900 17910 17920 17930 17940 17950 17960 17970 17980 17990 18000 18010 18020 18030 18040 18050 18060 18070 18080 18090 18100 18110 18120 18130 18140 18150 18160 18170 18180 18190 18200 18210 18220 18230 18240 18250 18260 18270 18280 18290 18300 18310 18320 18330 18340 18350 18360 18370 18380 18390 18400 18410 18420 18430 18440 18450 18460 18470 18480 18490 18500 18510 18520 18530 18540 18550 18560 18570 18580 18590 18600 18610 18620 18630 18640 18650 18660 18670 18680 18690 18700 18710 18720 18730 18740 18750 18760 18770 18780 18790 18800 18810 18820 18830 18840 18850 18860 18870 18880 18890 18900 18910 18920 18930 18940 18950 18960 18970 18980 18990 19000 19010 19020 19030 19040 19050 19060 19070 19080 19090 19100 19110 19120 19130 19140 19150 19160 19170 19180 19190 19200 19210 19220 19230 19240 19250 19260 19270 19280 19290 19300 19310 19320 19330 19340 19350 19360 19370 19380 19390 19400 19410 19420 19430 19440 19450 19460 19470 19480 19490 19500 19510 19520 19530 19540 19550 19560 19570 19580 19590 19600 19610 19620 19630 19640 19650 19660 19670 19680 19690 19700 19710 19720 19730 19740 19750 19760 19770 19780 19790 19800 19810 19820 19830 19840 19850 19860 19870 19880 19890 19900 19910 19920 19930 19940 19950 19960 19970 19980 19990 20000 20010 20020 20030 20040 20050 20060 20070 20080 20090 20100 20110 20120 20130 20140 20150 20160 20170 20180 20190 20200 20210 20220 20230 20240 20250 20260 20270 20280 20290 20300 20310 20320 20330 20340 20350 20360 20370 20380 20390 20400 20410 20420 20430 20440 20450 20460 20470 20480 20490 20500 20510 20520 20530 20540 20550 20560 20570 20580 20590 20600 20610 20620 20630 20640 20650 20660 20670 20680 20690 20700 20710 20720 20730 20740 20750 20760 20770 20780 20790 20800 20810 20820 20830 20840 20850 20860 20870 20880 20890 20900 20910 20920 20930 20940 20950 20960 20970 20980 20990 21000 21010 2

WATER WELL RECORD

WATER WELL RECORD

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WATER WELL RECORD

WATER WELL RECORD

WATER WELL RECORD

WATER WELL RECORD

WATER WELL RECORD

WATER WELL RECORD

WATER WELL RECORD



38/81 6810297 68006 CPN 05  
Hamilton--Wentworth W. FLAMBORO Twp. CON 5  
Hamilton--Wentworth Hamilton, Ont. 24 Aug 81

(21) 1.7 584320 4799140 4 0840 4 24

| LOG OF OVERBURDEN AND BEDROCK MATERIALS |                       |                 |                     |
|-----------------------------------------|-----------------------|-----------------|---------------------|
| GENERAL COLOUR                          | MOIST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION |
| Top soil                                |                       |                 | 0 1                 |
| Brown                                   | Clay                  | Silty sand      | 1 48                |
| Brown                                   | Clay                  | Gravel          | 48 56               |
| Grey                                    | Clay                  |                 | 56 86               |
| Grey                                    | Rock                  |                 | 86 95               |
| Total Depth                             |                       |                 | 95                  |

(31) 0901 02 00486052884 0054605111 0084205 TW 0095212 11/81

|                                                                                                                       |                                                                                               |                                           |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------|
| <p>(41) WATER RECORD</p> <p>WATER FOUND AT FEET: 0090, 90-94</p> <p>KIND OF WATER: FRESH, SALTY, SULPHUR, MINERAL</p> | <p>(51) CASING &amp; OPEN HOLE RECORD</p> <p>WATER LEVEL: 06, 66</p> <p>FEET: 188, 0 0082</p> | <p>(61) PLUGGING &amp; SEALING RECORD</p> |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------|

(71) PUMPING TEST METHOD: 1 PUMP, 2 BAILEY

PUMPING RATE: 0008 CPN 01

15-16 HOURS: 00

17-18 HOURS: 00

STATIC LEVEL: 040 FEET

WATER LEVEL END OF PUMPING: 22-24 FEET

WATER LEVELS DURING: 15 MINUTES, 30 MINUTES, 45 MINUTES, 60 MINUTES

RECOMMENDED PUMP TYPE: SHALLOW, DEEP

RECOMMENDED PUMP SETTING: FEET

RECOMMENDED PUMPING RATE: CPN

FINAL STATUS OF WELL: 2

WATER USE: 06

METHOD OF DRILLING: 2

1 WATER SUPPLY, 2 OBSERVATION WELL, 3 TEST HOLE, 4 RECHARGE WELL

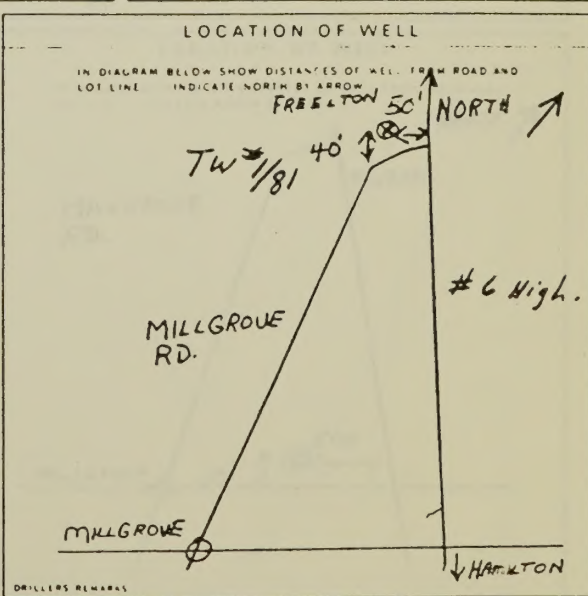
5 ABANDONED INSUFFICIENT SUPPLY, 6 ABANDONED POOR QUALITY, 7 UNFINISHED

1 DOMESTIC, 2 STOCK, 3 IRRIGATION, 4 INDUSTRIAL, 5 OTHER

6 COMMERCIAL, 7 MUNICIPAL, 8 PUBLIC SUPPLY, 9 COOLING OR AIR CONDITIONING, 10 NOT USED

1 CABLE TOOL, 2 ROTARY (CONVENTIONAL), 3 ROTARY (REVERSE), 4 ROTARY (AIR), 5 AIR PERCUSSION

6 BORING, 7 DIAMOND, 8 JETTING, 9 DRIVING



CONTRACTOR: Graham Well Drilling Ltd. 2336

Address: Guelph, Ont.

Name of Driller or Borer: R. Graham

Signature of Contractor: R. Graham

Submission Date: 30 Aug 81

OFFICE USE ONLY

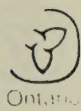
DATE SOURCE: 1 2336

DATE OF INSPECTION: 06 10 81

REMARKS:







Environment

Ontario

37/81

## WATER WELL RECORD

6810238

68006 CQH

05

Hamilton--Wentworth W. Flamboro 5 019  
Region of Hamilton Wentworth City Hall, Ham. LTON 18 Aug 81  
(21) 17 584800 4798560 4 0810 4 24

| LOG OF OVERBURDEN AND BEDROCK MATERIALS |                      |                 |                     |    |    |
|-----------------------------------------|----------------------|-----------------|---------------------|----|----|
| GENERAL COLOUR                          | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION |    |    |
| Top soil                                |                      |                 |                     | 0  | 1  |
| Brown                                   | Clay                 | Sand            |                     | 1  | 15 |
| Gray                                    | Clay                 |                 |                     | 15 | 31 |
| Gray                                    | Clay Silty           | Sand            |                     | 31 | 50 |
| Gray                                    | Clay                 | Gravel          |                     | 50 | 56 |
| Gray                                    | Rock                 |                 |                     | 56 | 63 |
| Total Depth                             |                      |                 |                     |    | 63 |

31 0001 02 001560528 0031205 0050205288 005620511 0063312  
32 10 15 21 32 43 54 65 76 87 98 109 120 131 142 153 164 175 186 197 208 219 230 241 252 263 274 285 296 307 318 329 340 351 362 373 384 395 406 417 428 439 450 461 472 483 494 505 516 527 538 549 560 571 582 593 604 615 626 637 648 659 670 681 692 703 714 725 736 747 758 769 780 791 802 813 824 835 846 857 868 879 890 901 912 923 934 945 956 967 978 989 1000

|                                                                                                                                                                                                                                                                                                                      |                                                                                                                                       |                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>41 WATER RECORD</b><br>WATER FOUND AT FEET: 006 10-15 61-63 15-16<br>KIND OF WATER:<br>1 FRESH 3 SULPHUR 4 MINERAL<br>2 SALT 4 MINERAL<br>20-23 1 FRESH 3 SULPHUR 4 MINERAL<br>2 SALT 4 MINERAL<br>25-28 1 FRESH 3 SULPHUR 4 MINERAL<br>2 SALT 4 MINERAL<br>30-33 1 FRESH 3 SULPHUR 4 MINERAL<br>2 SALT 4 MINERAL | <b>51 CASING &amp; OPEN HOLE RECORD</b><br>INSIDE DIA. 10 1/2<br>OUTSIDE DIA. 12 1/2<br>WATER LEVEL 188 0 0058<br>06 61<br>06 58 0063 | <b>61 PLUGGING &amp; SEALING RECORD</b><br>10-12 16-17<br>18-21 22-23<br>24-25 30-33 80 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>71 PUMPING TEST METHOD</b><br>1 PUMP 2 BAILEY<br>STATIC LEVEL 012 FEET<br>WATER LEVEL END OF PUMPING 040 FEET<br>WATER LEVELS DURING PUMPING:<br>15 MINUTES 012 FEET<br>30 MINUTES 012 FEET<br>45 MINUTES 012 FEET<br>60 MINUTES 012 FEET<br>PUMP INTAKE SET AT 012 FEET<br>WATER AT END OF TEST 012 FEET<br>RECOMMENDED PUMP TYPE: SHALLOW X DEEP<br>RECOMMENDED PUMP SETTING: 012 FEET<br>RECOMMENDED PUMP RATE: 012 GPM | <b>LOCATION OF WELL</b><br>IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.<br>NORTH<br>MILLGROVE RD.<br>#6 HWY.<br>10' 500' |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                        |                                                                                                                                                                                           |                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FINAL STATUS OF WELL 2</b><br>1 WATER SUPPLY<br>2 OBSERVATION WELL<br>3 TEST HOLE<br>4 RECHARGE WELL<br>5 ABANDONED INSUFFICIENT SUPPLY<br>6 ABANDONED POOR QUALITY<br>7 UNFINISHED | <b>WATER USE 06</b><br>1 DOMESTIC<br>2 STOCK<br>3 IRRIGATION<br>4 INDUSTRIAL<br>5 OTHER<br>6 COMMERCIAL<br>7 MUNICIPAL<br>8 PUBLIC SUPPLY<br>9 COOLING OR AIR CONDITIONING<br>10 NOT USED | <b>METHOD OF DRILLING 2</b><br>1 CABLE TOOL<br>2 ROTARY (CONVENTIONAL)<br>3 ROTARY (REVERSE)<br>4 ROTARY (AIR)<br>5 AIR PERCUSSION<br>6 BORING<br>7 DIAMOND<br>8 JETTING<br>9 DRIVING |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                  |                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>CONTRACTOR</b><br>NAME OF WELL CONTRACTOR: Graham Well Drilling Ltd.<br>ADDRESS: Guelph, Ont.<br>NAME OF DRILLER OR BORER: R. Graham<br>SIGNATURE OF CONTRACTOR: [Signature]<br>SUBMISSION DATE: 30 NO Aug 81 | <b>OFFICE USE ONLY</b><br>DATE SOURCE: 1<br>DATE OF INSPECTION: 06 10 81<br>REMARKS: |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506-4 (2) FORM 7





6810309

68906 CON

018

COUNTY OR DISTRICT: **WENTWORTH** (WEST FLAMBORO) FLAMBORO CON. 5  
OWNER (SURNAME FIRST): **G. W. WHITE CORP. INC.** ADDRESS: **KILDRIDE ONT. LOR 100** DATE COMPLETED: **25 11 81**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

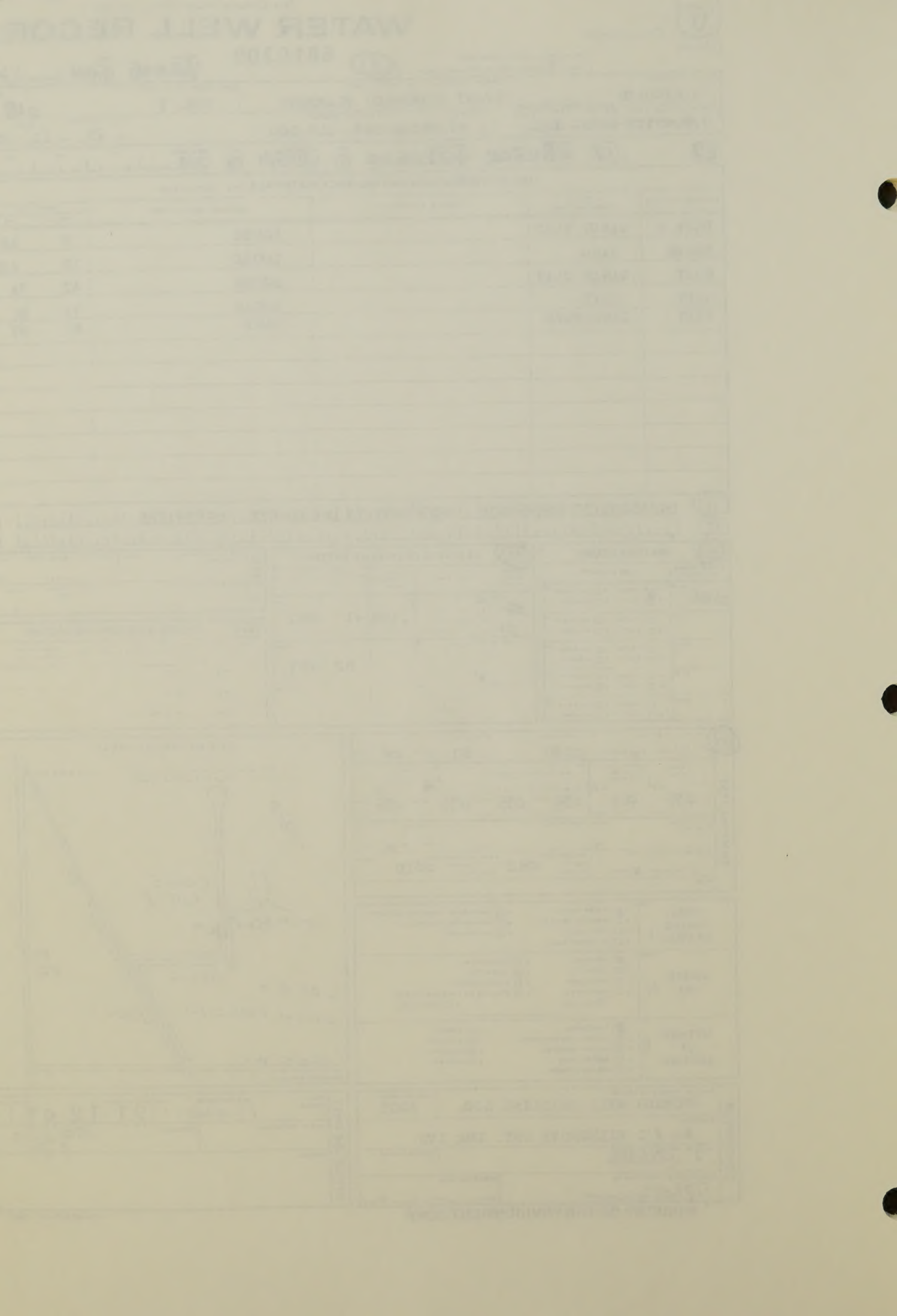
| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |
|----------------|----------------------|-----------------|---------------------|--------------|
| BROWN          | SANDY CLAY           |                 | LOOSE               | 0 18         |
| BROWN          | SAND                 |                 | LOOSE               | 18 42        |
| GREY           | SANDY CLAY           |                 | LOOSE               | 42 74        |
| GREY           | CLAY                 |                 | LOOSE               | 74 81        |
| GREY           | LIMESTONE            |                 | HARD                | 81 87        |

31 001860981177 004302877 007420981177 008120577 008736977

41 WATER RECORD 51 CASING & OPEN HOLE RECORD 61 PLUGGING & SEALING RECORD

71 PUMPING TEST LOCATION OF WELL

CONTRACTOR: O'CONNOR WELL DRILLING LTD. 4005  
RE # 1 MILLGROVE ONT. LOR IVO  
NAME OF DRILLER OR BORE: J. O'CONNOR  
SIGNATURE OF CONTRACTOR: [Signature] SUBMISSION DATE: [Date]  
MINISTRY OF THE ENVIRONMENT COPY





Ministry  
of the  
Environment

The Ontario Water Resources Act 30/11/50

# WATER WELL RECORD

6810310

68006 Cdn

1105

|                                                |                                                     |                                        |            |
|------------------------------------------------|-----------------------------------------------------|----------------------------------------|------------|
| COUNTY OR DISTRICT<br>A ENTWORTH               | TOWNSHIP BOROUGH CITY TOWN VILLAGE<br>WEST FLAMBORO | CON. BLOCK TRACT SURVEY ETC.<br>CON. 5 | LOT<br>018 |
| OWNER (SURNAME FIRST)<br>G.M. WHITE CORP. INC. | ADDRESS<br>KILBRIDE ONT. LOP 160 STAFF OFFICE       | DATE COMPLETED<br>11-11-81             |            |

| TIME |    | EASTING |       | NORTHING |        | BC |  | ELEVATION |     | BC |  | DALLIS CODE |   | M |  | M |  | M |  |
|------|----|---------|-------|----------|--------|----|--|-----------|-----|----|--|-------------|---|---|--|---|--|---|--|
| (21) | 17 | 5       | 84220 | 4        | 798760 | 4  |  | 0         | 860 | 4  |  | 2           | 4 |   |  |   |  |   |  |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

32

| WATER RECORD          |                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| WATER FOUND AT - FEET | KIND OF WATER                                                                                                                                 |
| 00-10<br>0087         | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input checked="" type="checkbox"/> SALTY <input type="checkbox"/> MINERAL |
| 10-18                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |
| 20-23                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |
| 24-28                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |
| 30-33                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |

| CASING & OPEN HOLE RECORD |                                                                                                                                                             | DEPTH FEET            |       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------|
| AS-DE<br>DIAW<br>(INCHES) | MATERIAL                                                                                                                                                    | THICKNESS<br>(INCHES) | FEET  |
| 51<br>10-11<br>06         | <input checked="" type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE | .188                  | +1 80 |
| 11-12                     | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE            |                       | 80 90 |
| 12-13                     | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE            |                       |       |

|                   |                    |       |                        |  |        |    |
|-------------------|--------------------|-------|------------------------|--|--------|----|
| SCREEN            | SIZE S. OF OPENING |       | Diameter               |  | Length |    |
|                   | 31.33              | 34.38 | 39.40                  |  |        |    |
| MATERIAL AND TYPE |                    |       | INCHES                 |  | FEET   |    |
|                   |                    |       | DEPTH TO TOP OF SCREEN |  | 21.66  | 10 |

| 61           |          | PLUGGING & SEALING RECORD |              |
|--------------|----------|---------------------------|--------------|
| DEPTH - FEET | FEET     | WATER AL AND TIME         | CEMENT GROUT |
|              |          | LEAK WATER ETC.           |              |
| 10-12        | 56-17    |                           |              |
| 14-21        | 82-25    |                           |              |
| 26-29        | 10-33 00 |                           |              |

|                                                                           |                                                                             |                          |                            |                    |                            |                                                                               |  |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------|----------------------------|--------------------|----------------------------|-------------------------------------------------------------------------------|--|
| PUMPING TEST                                                              | PUMPING TEST METHOD                                                         |                          | 10 PUMPING RATE            |                    | 11-16 SUMMATION OF PUMPING |                                                                               |  |
|                                                                           | 1 <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BATTERY |                          | 0020                       |                    | 12-16                      |                                                                               |  |
|                                                                           |                                                                             |                          |                            |                    | 01 15 00                   |                                                                               |  |
|                                                                           | STATIC LEVEL                                                                |                          | WATER LEVEL END OF PUMPING |                    | 2 PUMPING                  |                                                                               |  |
|                                                                           | 18-21                                                                       |                          | 22-24                      |                    | 3 RECOVERY                 |                                                                               |  |
| 026                                                                       |                                                                             | 063                      |                            | 15 MINUTES         |                            | 30 MINUTES                                                                    |  |
| FEET                                                                      |                                                                             | FEET                     |                            | 032 28-28          |                            | 026 29-31                                                                     |  |
|                                                                           |                                                                             |                          |                            | FEET               |                            | FEET                                                                          |  |
| IF FLOWING                                                                |                                                                             | 38-41                    |                            | PUMP INTAKE SET AT |                            | WATER AT END OF TEST                                                          |  |
| GIVE RATE                                                                 |                                                                             | CPM                      |                            | FEET               |                            | 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY |  |
| RECOMMENDED PUMP TYPE                                                     |                                                                             | RECOMMENDED PUMP SETTING |                            | 43-48              |                            | RECOMMENDED PUMPING RATE                                                      |  |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP |                                                                             | 085                      |                            | FEET               |                            | 0010                                                                          |  |
| 50-55                                                                     |                                                                             |                          |                            |                    |                            | CPM                                                                           |  |

|                            |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL<br>STATUS<br>OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY<br>2 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                                       | 5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                                   |
| WATER<br>USE               | 1 <input checked="" type="checkbox"/> DOMESTIC<br>2 <input type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER                                      | 5 <input type="checkbox"/> COMMERCIAL<br>6 <input type="checkbox"/> MUNICIPAL<br>7 <input type="checkbox"/> PUBLIC SUPPLY<br>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br><input type="checkbox"/> NOT USED |
| METHOD<br>OF<br>DRILLING   | 1 <input checked="" type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAMOND<br>8 <input type="checkbox"/> JETTING<br>9 <input type="checkbox"/> DRIVING                                                                      |

**LOCATION OF WELL**

IN DIAGRAM BELOW SHOW DISTANCE OF WELL FROM ROAD AND  
LOT LINE INDICATE NORTH BY ARROW.

CONS LOT#18 1.25 km

LOT#20

DUNCAN FARM ESTATES

CONS WIFE

30m

15km

MILL CREEK RD.  
25km

Hwy #6

DRILLERS REMARKS

|                         |                               |                             |                |
|-------------------------|-------------------------------|-----------------------------|----------------|
| CONTRACTOR              | NAME OF WELL CONTRACTOR       |                             | LICENCE NUMBER |
|                         | O'CONNOR WELL DRILLING LTD.   |                             | 4005           |
|                         | ADDRESS                       |                             |                |
|                         | RR # 1 MILLGROVE ONT. LOR IWO |                             |                |
|                         | NAME OF DRILLER OR BORER      |                             | LICENCE NUMBER |
| J. O'CONNOR             |                               |                             |                |
| SIGNATURE OF CONTRACTOR |                               | SUBMISSION DATE             |                |
| <i>J. O'Connor</i>      |                               | DAY _____ MO _____ YR _____ |                |

|                 |                    |  |  |  |      |                   |          |               |       |    |
|-----------------|--------------------|--|--|--|------|-------------------|----------|---------------|-------|----|
| OFFICE USE ONLY | DATA SOURCE        |  |  |  | SA   | CONTRACTOR        | 10-42    | DATE RECEIVED | 10-40 | DO |
|                 | 1                  |  |  |  | 4005 |                   | 21 12 81 |               |       |    |
|                 | DATE OF INSPECTION |  |  |  |      | INSPECTION        |          |               |       |    |
|                 |                    |  |  |  |      | May 21 1982<br>JW |          |               |       |    |
|                 | RE MARKS           |  |  |  |      |                   |          |               |       |    |

MINISTRY OF THE ENVIRONMENT COPY

FORM NO 0508-4-77 FORM 7





PRINT ONLY IN SPACES PROVIDED  
CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 6810320 68006 CON 05

COUNTY OR DISTRICT: **WENTWORTH** TOWNSHIP BOROUGH CITY TOWN VILLAGE: **NEST FARM** CON. BLOCK TRACT SURVEY ETC.: **85**  
OWNER (SURNAME FIRST): **HALL, H.** ADDRESS: **MILLGROVE** DATE COMPLETED: **04** 1981  
(27) FORM: **17** EASTING: **583560** NORTHING: **4799800** M: **4** ELEVATION: **0840** M: **4** BUILDING CODE: **34**

**LOG OF OVERBURDEN AND BEDROCK MATERIALS** (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL    | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |           |
|----------------|-------------------------|-----------------|---------------------|--------------|-----------|
|                |                         |                 |                     | FROM         | TO        |
|                | <b>TOPSOIL</b>          |                 |                     | <b>C</b>     | <b>4</b>  |
|                | <b>BROWN SANDY CLAY</b> |                 |                     | <b>H</b>     | <b>66</b> |
|                | <b>BLUE CLAY</b>        |                 |                     | <b>66</b>    | <b>77</b> |
|                | <b>CRAY LIME ROCK</b>   |                 |                     | <b>77</b>    | <b>92</b> |

31 0004 02 006040581 0079205 00932113  
32

41 **WATER RECORD**

| WATER FOUND AT - FEET | KIND OF WATER                                                              |
|-----------------------|----------------------------------------------------------------------------|
| 10-13                 | <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR |
| 13-15                 | <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |
| 15-18                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR            |
| 18-20                 | <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |
| 20-23                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR            |
| 23-25                 | <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |
| 25-28                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR            |
| 28-30                 | <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |
| 30-33                 | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR            |
| 33-35                 | <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |

51 **CASING & OPEN HOLE RECORD**

| DEPTH - FEET | WATER                                     | WELL                                           |
|--------------|-------------------------------------------|------------------------------------------------|
| 10-13        | <input checked="" type="checkbox"/> STEEL | <input checked="" type="checkbox"/> GALVANIZED |
| 13-15        | <input type="checkbox"/> CONCRETE         | <input type="checkbox"/> OPEN HOLE             |
| 15-18        | <input type="checkbox"/> STEEL            | <input type="checkbox"/> GALVANIZED            |
| 18-20        | <input type="checkbox"/> CONCRETE         | <input type="checkbox"/> OPEN HOLE             |
| 20-23        | <input type="checkbox"/> STEEL            | <input type="checkbox"/> GALVANIZED            |
| 23-25        | <input type="checkbox"/> CONCRETE         | <input type="checkbox"/> OPEN HOLE             |
| 25-28        | <input type="checkbox"/> STEEL            | <input type="checkbox"/> GALVANIZED            |
| 28-30        | <input type="checkbox"/> CONCRETE         | <input type="checkbox"/> OPEN HOLE             |
| 30-33        | <input type="checkbox"/> STEEL            | <input type="checkbox"/> GALVANIZED            |
| 33-35        | <input type="checkbox"/> CONCRETE         | <input type="checkbox"/> OPEN HOLE             |

SCREEN SIZE & OF OPENING: **10** DIAMETER: **10** LENGTH: **10**  
MATERIAL AND TYPE: **10** DEPTH TO TOP OF SCREEN: **10** AT: **10**

61 **PLUGGING & SEALING RECORD**

| DEPTH SET AT - FEET | MATERIAL AND TYPE | CEMENT CEMENT |
|---------------------|-------------------|---------------|
| 10-13               | <b>10</b>         | <b>10</b>     |
| 13-15               | <b>10</b>         | <b>10</b>     |
| 15-18               | <b>10</b>         | <b>10</b>     |
| 18-20               | <b>10</b>         | <b>10</b>     |
| 20-23               | <b>10</b>         | <b>10</b>     |
| 23-25               | <b>10</b>         | <b>10</b>     |
| 25-28               | <b>10</b>         | <b>10</b>     |
| 28-30               | <b>10</b>         | <b>10</b>     |
| 30-33               | <b>10</b>         | <b>10</b>     |
| 33-35               | <b>10</b>         | <b>10</b>     |

71 **PUMPING TEST METHOD**

1 ☐ PUMP 2 ☒ BAILEY **0008** CPM: **01** HOURS: **00** MIN: **00**

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVELS DURING                                                                     |
|--------------|----------------------------|-----------------------------------------------------------------------------------------|
| 10-13        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 13-15        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 15-18        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 18-20        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 20-23        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 23-25        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 25-28        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 28-30        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 30-33        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |
| 33-35        | <b>88</b>                  | 15 MINUTES: <b>88</b> 30 MINUTES: <b>88</b> 45 MINUTES: <b>88</b> 60 MINUTES: <b>88</b> |

12 FLOWING GIVE RATE: **88** CPM: **88** PUMP INTAKE SET AT: **88** FEET: **88** WATER AT END OF TEST: **88** FEET: **88**

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP RECOMMENDED PUMP SETTING: **88** FEET: **88** RECOMMENDED PUMP: **88** CPM: **88**

**LOCATION OF WELL**

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

**CONV**  
**LOT 0204**  
**17**

**RQS. 5 CRN** **R043**  
**TO MILLGROVE**

**1 km**

**CHAPPISON'S CORNERS**

DRILLERS REMARKS:

81 **FINAL STATUS OF WELL**

1 ☐ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL

5 ☐ ABANDONED - INSUFFICIENT SUPPLY 6 ☐ ABANDONED - POOR QUALITY 7 ☐ UNFINISHED

81 **WATER USE**

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ OTHER

6 ☐ COMMERCIAL 7 ☐ MUNICIPAL 8 ☐ PUBLIC SUPPLY 9 ☐ COOLING OR AIR CONDITIONING 10 ☐ NOT USED

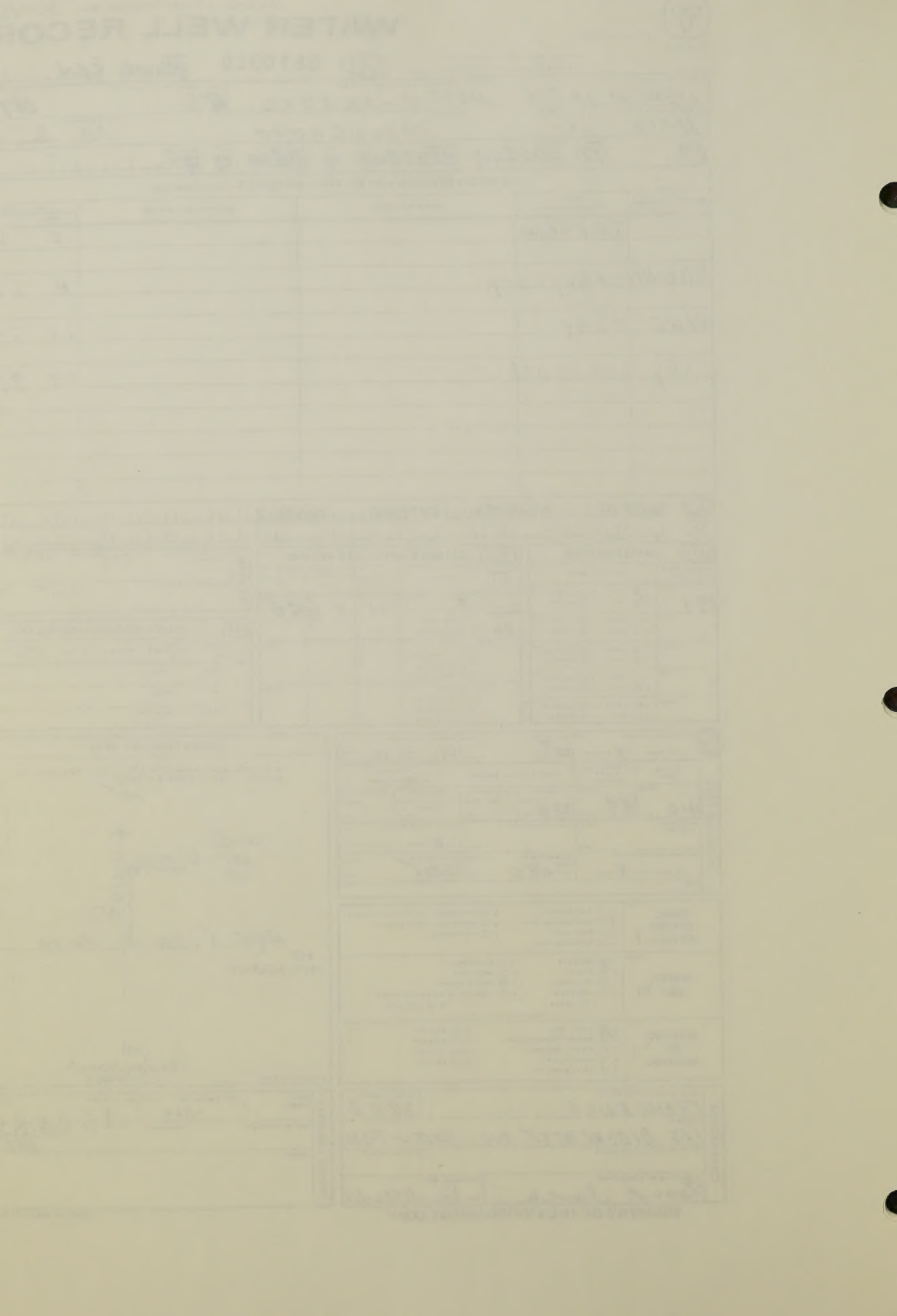
81 **METHOD OF DRILLING**

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION

6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR: **FRANK INCE** LICENSE NUMBER: **2803**  
ADDRESS: **175 AIDERCREST AVE. HAMILTON**  
NAME OF DRILLER OR BORER: **FRANK INCE** LICENSE NUMBER: **2803**  
SIGNATURE OF CONTRACTOR: **Frank Ince** SUBMISSION DATE: **12 APR 82**

OFFICE USE ONLY: **1** CONTRACTOR: **2803** DATE RECEIVED: **15 04 82**  
DATE OF INSPECTION: **15 04 82** INSPECTOR: **15 04 82**  
REMARKS:







The Ontario Water Resources Act *30m/5d*  
**WATER WELL RECORD**

The Ontario Water Resources Act *Sum 12 d*

PRINT ONLY IN SPACES PROVIDED

11

6810388

168,006

Van

1105

|                                               |                                                       |                                       |            |
|-----------------------------------------------|-------------------------------------------------------|---------------------------------------|------------|
| COUNTY OR DISTRICT<br>WENTWORTH               | TOWNSHIP BOROUGH CITY TOWN VILLAGE<br>FLAMBORO (WEST) | CON. BLOCK TRACT SURVEY ETC<br>CON. 5 | LOT<br>018 |
| OWNER (SURNAME FIRST)<br>G.H. WYTE CORP. INC. | ADDRESS<br>HILBRIDE P.O. ONT.                         | DATE COMPLETED<br>14 05 82            |            |

(21)      17      584160      4798760      4      0860      44      34

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

| (41) WATER RECORD     |                                                                                                                                                       | (51) CASING & OPEN HOLE RECORD |       |                       |              | SCREEN                                                                                                                                                  |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------|-----------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| WATER FOUND AT - FEET | KIND OF WATER                                                                                                                                         | INSIDE DIA                     | WATER | WALL THICKNESS INCHES | DEPTH - FEET |                                                                                                                                                         |
|                       |                                                                                                                                                       |                                |       |                       |              |                                                                                                                                                         |
|                       |                                                                                                                                                       |                                |       |                       |              |                                                                                                                                                         |
| 00 83                 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |                                |       |                       |              | STEEL OF OPENING 31-33<br>DIAMETER 50-52 LENGTH 50-60<br>NO. OF OPENING 1-107 NO. 0<br>MATERIAL AND TYPE<br>DEPTH TO TOP OF CEMENT 100<br>OF CEMENT 100 |
| 15-16                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |                                |       |                       |              |                                                                                                                                                         |
| 20-23                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |                                |       |                       |              |                                                                                                                                                         |
| 25-28                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |                                |       |                       |              |                                                                                                                                                         |
| 30-33                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |                                |       |                       |              |                                                                                                                                                         |

| (61) PLUGGING & SEALING RECORD |                |
|--------------------------------|----------------|
| DEPTH - FEET                   | WATER AND TYPE |
| 10-13                          | 14-17          |
| 14-21                          | 22-25          |
| 24-25                          | 30-33 00       |

|                                                    |  |                            |  |                            |  |                       |  |                       |  |                       |  |
|----------------------------------------------------|--|----------------------------|--|----------------------------|--|-----------------------|--|-----------------------|--|-----------------------|--|
| PUMPING TEST RESULTS                               |  | 19-21                      |  | 22-24                      |  | 25                    |  | 26                    |  | 27-28                 |  |
| PUMP                                               |  | WATER LEVEL END OF PUMPING |  | WATER LEVEL DURING PUMPING |  | PUMPING RECOVERY      |  |                       |  |                       |  |
| 026                                                |  | 038                        |  | 026                        |  | 026                   |  | 026                   |  | 026                   |  |
| FEET                                               |  | FEET                       |  | FEET                       |  | FEET                  |  | FEET                  |  | FEET                  |  |
| IS FLOWING GIVE RATE                               |  | PUMP INTAKE SET AT         |  | WATER END OF TEST          |  |                       |  |                       |  |                       |  |
| CPW                                                |  | FEET                       |  | FEET                       |  | FEET                  |  | FEET                  |  | FEET                  |  |
| RECOMMENDED PUMP TYPE                              |  | RECOMMENDED PUMP SETTING   |  | RECOMMENDED PUMP RATE      |  | RECOMMENDED PUMP RATE |  | RECOMMENDED PUMP RATE |  | RECOMMENDED PUMP RATE |  |
| □ SHALLOW <input checked="" type="checkbox"/> DEEP |  | 075                        |  | 0010                       |  | 0010                  |  | 0010                  |  | 0010                  |  |
| 19-21                                              |  | 22-24                      |  | 25                         |  | 26                    |  | 27-28                 |  |                       |  |

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

SEND COPY TO TCMHAR COAST 2701 GARDEN ST. HAMILTON CNT.

LOT # 16

LAST HOUSE ON RIGHT

|                      |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                            |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL STATUS OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY<br>2 <input checked="" type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                            | 5 <input type="checkbox"/> ABANDONED - INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED - POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                                 |
| WATER USE            | 1 <input checked="" type="checkbox"/> DOMESTIC<br>2 <input checked="" type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER                           | 5 <input type="checkbox"/> COMMERCIAL<br>6 <input type="checkbox"/> MUNICIPAL<br>7 <input type="checkbox"/> PUBLIC SUPPLY<br>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br>9 <input type="checkbox"/> NOT USED |
| METHOD OF DRILLING   | 1 <input checked="" type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAMOND<br>8 <input type="checkbox"/> JETTING<br>9 <input type="checkbox"/> DRIVING                                                                        |

DRILLER'S REMARKS

|            |                              |  |                             |                     |
|------------|------------------------------|--|-----------------------------|---------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR      |  | LICENCE NUMBER              |                     |
|            | O'CONNOR WELL DRILLING LTD.  |  | 4005                        |                     |
|            | ADDRESS                      |  |                             |                     |
|            | RR # 1 MILLGROVE ONT. LORIVO |  |                             |                     |
|            | NAME OF DRILLER OR BORER     |  | LICENCE NUMBER              |                     |
|            | J. O'CONNOR                  |  |                             |                     |
|            | SIGNATURE OF CONTRACTOR      |  | SUBMISSION DATE             |                     |
|            | J. O'Connor                  |  | DAY _____ MO _____ YR _____ |                     |
|            | OFFICE USE ONLY              |  |                             |                     |
|            | DATA SOURCE                  |  | 15 CONTRACTOR               | 15-42 DATE RECEIVED |
|            | 1                            |  | 4005                        | 010682              |
|            | DATE OF INSPECTION           |  | INSPECTOR                   |                     |
|            | REMARKS                      |  |                             |                     |

MINISTRY OF THE ENVIRONMENT COPY

FORM NO 0528-4-77 FORM





LOG OF OVERBURDEN AND BEDROCK MATERIALS

| GENERAL COLOUR | GENERAL MATERIAL | GENERAL MATERIAL |     |     |
|----------------|------------------|------------------|-----|-----|
| BROWN          | SANDY CLAY       | LOOSE            | 026 | 26  |
| GREY           | SAND             | LOOSE            | 26  | 47  |
| GREY           | CLAY             | LOOSE            | 47  | 81  |
| GREY           | SAND             | LOOSE            | 81  | 83  |
| BROWN          | CLAY             | LOOSE            | 83  | 86  |
| GREY           | LIMESTONE        | HARD             | 86  | 100 |

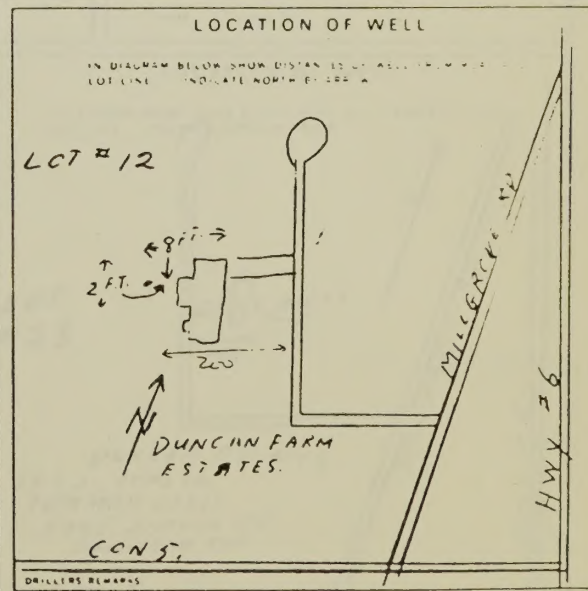
JUN 25 1985

31 00246058177 004722877 008120577 008322877 008660577 011021577

|                                                                                                                 |                                                                                          |                                            |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>WATER RECORD</b><br>WATER FOUND AT FEET: 0297<br>KIND OF WATER: FRESH<br>SALT: 0<br>SULPHUR: 0<br>MINERAL: 0 | <b>CASING &amp; OPEN HOLE RECORD</b><br>Casing: 064<br>Open Hole: .188 +1 087<br>87 0100 | <b>PLUGGING &amp; SEALING RECORD</b><br>61 |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------|

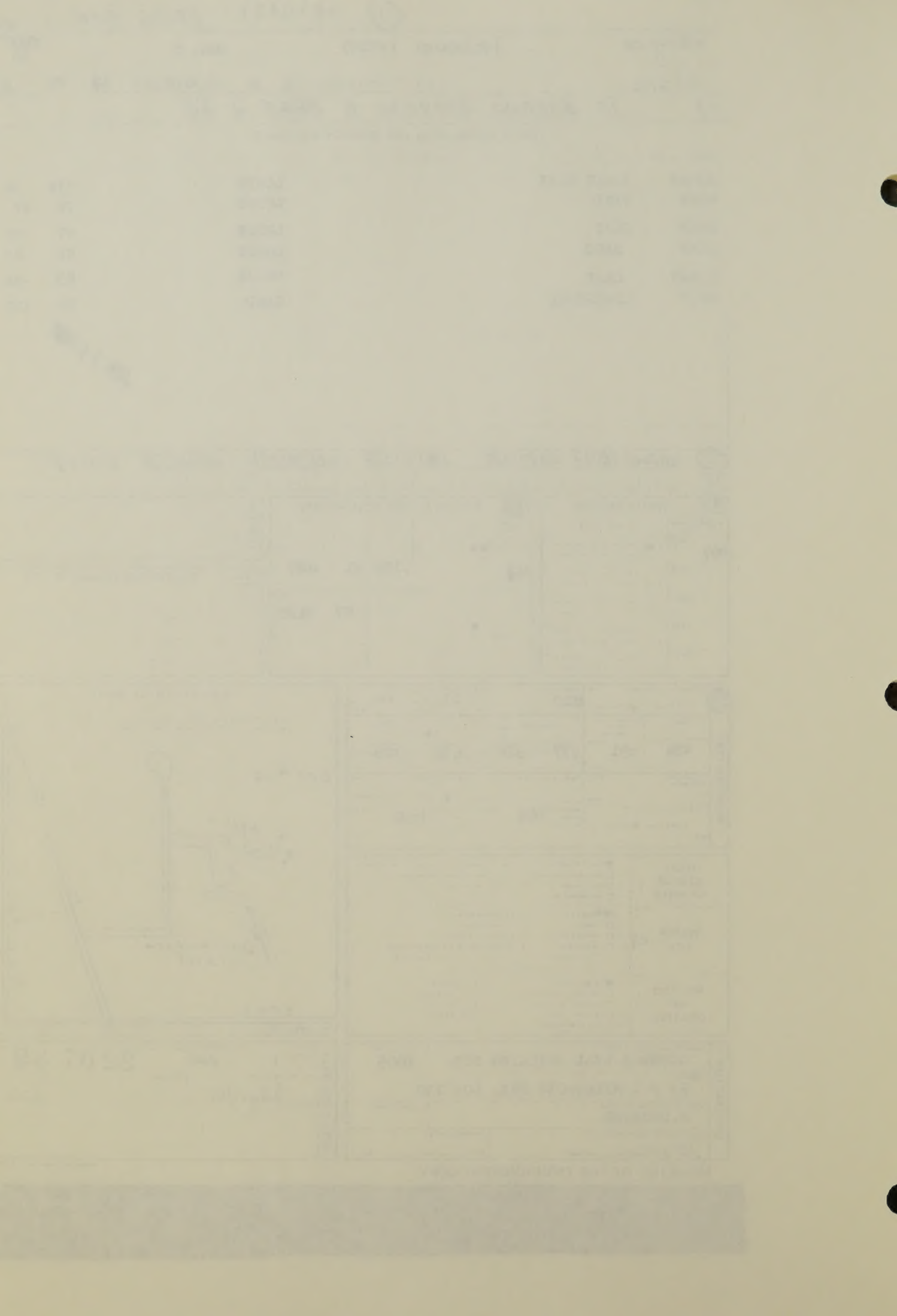
|                                                                                                                                                            |                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>PUMPING TEST</b><br>PUMPING TEST METHOD: 1 PUMP 2 BAILEY<br>STATIC LEVEL: 028<br>WATER LEVEL DURING: 037 028 028 028<br>RECOMMENDED PUMP TYPE: 095 0008 | <b>PUMPING TEST</b><br>PUMPING RATE: 010<br>PUMPING NO: 01<br>PUMPING RATE: 00 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

|                                                                            |                                                                            |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>FINAL STATUS OF WELL</b><br>1<br>WATER USE: 01<br>METHOD OF DRILLING: 1 | <b>FINAL STATUS OF WELL</b><br>2<br>WATER USE: 01<br>METHOD OF DRILLING: 1 |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------|



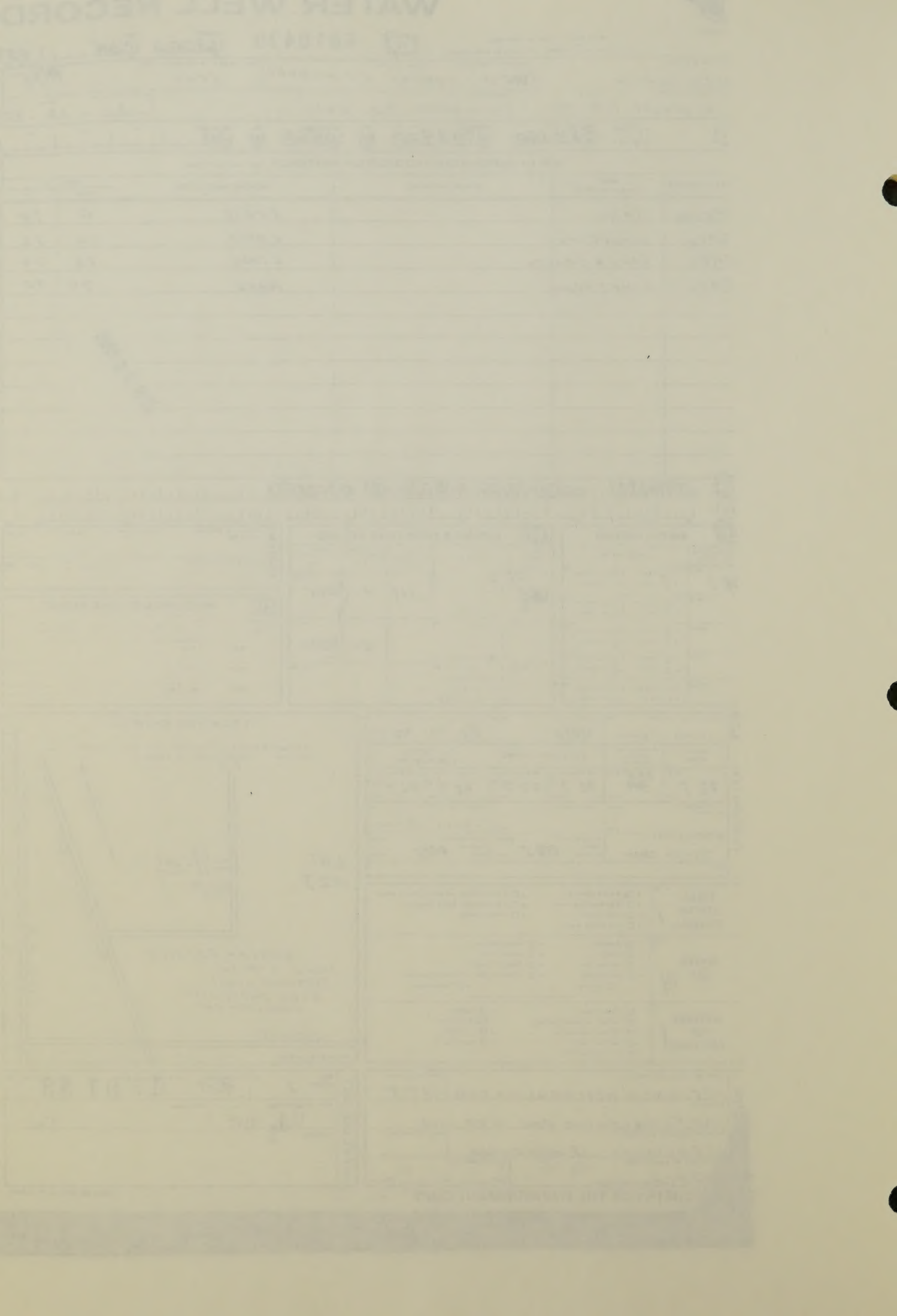
|                                                                                                                                                                                                       |                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>CONTRACTOR</b><br>NAME OF WELL CONTRACTOR: O'CONNOR WELL DRILLING LTD.<br>ADDRESS: RR # 1 MILLGROVE ONT. LOR IWO<br>NAME OF DRILLER OR BORE: J. O'CONNOR<br>SIGNATURE OF CONTRACTOR: J.B. O'Connor | <b>CONTRACTOR</b><br>LICENSE NUMBER: 4005<br>SUBMISSION DATE: DAY ____ MO ____ YR ____ |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|

|                                                                           |                                                                      |
|---------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>OFFICE USE ONLY</b><br>DATE OF INSPECTION: July 17/85<br>REMARKS: J.W. | <b>OFFICE USE ONLY</b><br>CONTRACTOR: 4005<br>DATE RECEIVED: 2207 82 |
|---------------------------------------------------------------------------|----------------------------------------------------------------------|





FORM NO 0508-4-77 FORM 7





(11) 6810431 68006 CCN 018 05

COUNTY OR DISTRICT: WEST LAMBTON (WEST LAMBTON) CENSUS

WATER SOURCE: Waterdown

ADDRESS: 13 Cumminsville Dr

22

21

177 584120 4798740 4 0865 4 24

**LOG OF OVERBURDEN AND BEDROCK MATERIALS**

| GENERAL COLOUR | THICKNESS (FEET) | DESCRIPTION | TESTS | REMARKS |
|----------------|------------------|-------------|-------|---------|
| BROWN          | SAND             | LOOSE       | 0     | 38      |
| GREY           | SANDY CLAY       | LOOSE       | 16    | 79      |
| GREY           | SAND & GRAVEL    | LOOSE       | 79    | 24      |
| GREY           | LIMESTONE        | HARD        | 24    | 18      |

31 003862577 00792658177 00842281177 008821577

32

41 WATER RECORD

| WATER FOUND AT FEET | KIND OF WATER                      |
|---------------------|------------------------------------|
| 0086                | 1 FRESH 2 SALT 3 SULPHUR 4 MINERAL |

61 CASING & OPEN HOLE RECORD

| DEPTH (FEET) | DIAMETER (INCHES) | REMARKS     |
|--------------|-------------------|-------------|
| 0            | 10                | 158 11 0085 |
| 10           | 10                | 85 0088     |

SCREEN

| DEPTH (FEET) | SCREEN TYPE |
|--------------|-------------|
| 0            | 1           |

61 PLUGGING & SEALING RECORD

| DEPTH (FEET) | PLUG TYPE |
|--------------|-----------|
| 0            | 1         |

71

0026 0/ 00

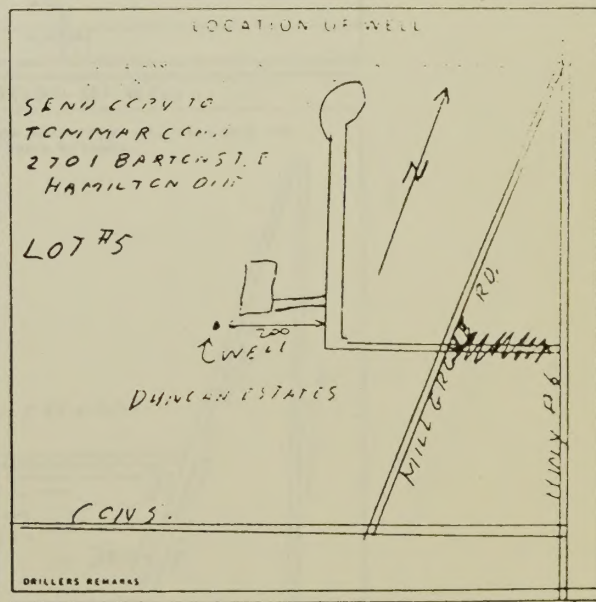
026 058 026 026 026 026

PUMPING TEST

FINAL STATUS OF WELL

WATER USE

METHOD OF DRILLING



CONTRACTOR: OCENOR WELL DRILLING LTD LICENCE NUMBER: 4005

ADDRESS: RR #1 MILEGROVE CRT, LORAIN

NAME OF DRILLER OR OWNER: J.D. O'CONNOR LICENCE NUMBER: 4005

SIGNATURE OF CONTRACTOR: J.D. O'CONNOR SUBMISSION DATE: July 27/85

DATE: 17 01 83

OFFICE USE ONLY

DATA SOURCE: 1 CONTRACTOR: 4005 DATE: 17 01 83

DATE OF INSPECTION: July 27/85 INSPECTOR: SW

REMARKS:





# WATER WELL RECORD

PRINT ONLY IN SPACES PROVIDED

WEEK ☒ CORRECT (100% = 100% APPLICABLE)



6810493

68.006

CON

105

|                                       |                |                              |       |       |
|---------------------------------------|----------------|------------------------------|-------|-------|
| TOWN-SHIP BOROUGH (CITY-TOWN-VILLAGE) |                | CON. BLOCK TRACT SURVEY ETC. |       | LOT   |
| WILST FARM (BRO) 124430               |                | CON. S.                      |       | 018   |
| 18-47                                 | ADDRESS        | DATE COMPLETED               | 64-53 |       |
| 18-47                                 | 208 CULLUM CRT | 07-05                        | 83    |       |
| BURLINGTON ONT. L7T 4N9               |                |                              |       |       |
| 18-47                                 | 18-47          | 18-47                        | 18-47 | 18-47 |
| 384280                                | 4798620        | 46                           | 083P  | 4A    |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

|      |        |      |         |      |      |
|------|--------|------|---------|------|------|
| 0058 | 058177 | 0063 | 3281179 | 0070 | 1573 |
|      |        |      |         |      |      |
|      |        |      |         |      |      |

| RD                       |    | 61 CASING & OPEN HOLE RECORD |                                                 |                             |     | SCREEN     |     | SIZE & OF OPENING<br>"SLOT" NO. |    |        |    |
|--------------------------|----|------------------------------|-------------------------------------------------|-----------------------------|-----|------------|-----|---------------------------------|----|--------|----|
| 1                        | 2  | 3                            | 4                                               | 5                           | 6   | 7          | 8   | 9                               | 10 | 11     | 12 |
| INSIDE<br>DIAM<br>INCHES |    | MATERIAL                     |                                                 | WALL<br>THICKNESS<br>INCHES |     | DEPTH FEET |     | Diameter                        |    | Length |    |
|                          |    |                              |                                                 |                             |     | FROM TO    |     | INCHES                          |    | FEET   |    |
| SULPHUR                  | 1A | 0 10 11                      | 1 <input checked="" type="checkbox"/> STEEL     | 12                          |     | 13         | 14  |                                 |    |        |    |
| MINERAL                  |    |                              | 1 <input type="checkbox"/> GALVANIZED           |                             |     |            |     |                                 |    |        |    |
| SULPHUR                  | 1B | 1 18 19                      | 1 <input type="checkbox"/> CONCRETE             |                             | 188 | 12         | 064 |                                 |    |        |    |
| MINERAL                  |    |                              | 1 <input type="checkbox"/> OPEN HOLE            |                             |     |            |     |                                 |    |        |    |
| SULPHUR                  | 2A | 17 18 19                     | 1 <input type="checkbox"/> STEEL                | 20                          |     | 21         | 22  |                                 |    |        |    |
| MINERAL                  |    |                              | 1 <input type="checkbox"/> GALVANIZED           |                             |     |            |     |                                 |    |        |    |
| SULPHUR                  | 2B | 23 24 25                     | 1 <input type="checkbox"/> CONCRETE             |                             |     |            |     |                                 |    |        |    |
| MINERAL                  |    |                              | 1 <input checked="" type="checkbox"/> OPEN HOLE |                             |     |            |     |                                 |    |        |    |
| SULPHUR                  | 3A | 24 25 26                     | 1 <input type="checkbox"/> STEEL                | 27                          |     | 28         | 29  |                                 |    |        |    |
| MINERAL                  |    |                              | 1 <input type="checkbox"/> GALVANIZED           |                             |     |            |     |                                 |    |        |    |
| SULPHUR                  | 3B | 31 32 33                     | 1 <input type="checkbox"/> CONCRETE             |                             |     |            |     |                                 |    |        |    |
| MINERAL                  |    |                              | 1 <input type="checkbox"/> OPEN HOLE            |                             |     |            |     |                                 |    |        |    |

| 61 PLUGGING & SEALING RECORD |                   | SIZE & OF OPENING<br>"SLOT" NO. |  |
|------------------------------|-------------------|---------------------------------|--|
| DEPTH SET AT FEET            | MATERIAL AND TYPE | CEMENT GROUT<br>LEAD PACKER ETC |  |
| FROM TO                      |                   |                                 |  |
| 10-13                        | 14-17             |                                 |  |
| 14-21                        | 22-25             |                                 |  |
| 26-29                        | 30-33             |                                 |  |

|             |                     |                                                |                                              |              |
|-------------|---------------------|------------------------------------------------|----------------------------------------------|--------------|
| 10          | PUMPING RATE        | 11.10                                          | DURATION OF PUMPING                          |              |
|             | 0036                | GPM                                            | 01 15:10                                     | 17:10        |
|             |                     |                                                | HOURS                                        | 00           |
|             |                     |                                                | MIN                                          | 00           |
| 25          | WATER LEVELS DURING | 1 <input type="checkbox"/> PUMPING             |                                              |              |
|             |                     | 2 <input checked="" type="checkbox"/> RECOVERY |                                              |              |
| 14          | 15 MINUTES          | 30 MINUTES                                     | 45 MINUTES                                   | 60 MINUTES   |
|             | 019' 30"            | 018' 19" 31"                                   | 018' 30" 34"                                 | 018' 39" 37" |
| 11          | FEET                | FEET                                           | FEET                                         | FEET         |
| 61          | PUMP INTAKE SET AT  | WATER AT END OF TEST                           |                                              |              |
|             |                     | 62                                             |                                              |              |
| PM          | FEET                | 1 <input type="checkbox"/> CLEAR               | 2 <input checked="" type="checkbox"/> CLOUDY |              |
| RECOMMENDED | 43.65               | RECOMMENDED                                    | 66.49                                        |              |
| PUMP        |                     | PUMPING                                        |                                              |              |
| SETTING     | 065                 | RATE                                           | 0010                                         |              |
|             | FEET                |                                                | GPM                                          |              |

|                                |   |                                                        |
|--------------------------------|---|--------------------------------------------------------|
| AIR SUPPLY                     | 6 | <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY |
| RESERVATION WELL               | 8 | <input type="checkbox"/> ABANDONED POOR QUALITY        |
| ST HOLE                        | 1 | <input type="checkbox"/> UNFINISHED                    |
| CHARGE WELL                    |   |                                                        |
| DOMESTIC                       | 8 | <input type="checkbox"/> COMMERCIAL                    |
| OCK                            | 8 | <input type="checkbox"/> MUNICIPAL                     |
| IGATION                        | 7 | <input type="checkbox"/> PUBLIC SUPPLY                 |
| INDUSTRIAL                     | 8 | <input type="checkbox"/> COOLING OR AIR CONDITIONING   |
| <input type="checkbox"/> OTHER |   | 9 <input type="checkbox"/> NOT USED                    |

---

|                      |   |                                  |
|----------------------|---|----------------------------------|
| ABLE TOOL            | 8 | <input type="checkbox"/> BORING  |
| OTARY (CONVENTIONAL) | 1 | <input type="checkbox"/> DRUM    |
| OTARY (REVERSE)      | 8 | <input type="checkbox"/> JETTING |
| OTARY (AIR)          | 8 | <input type="checkbox"/> DRIVING |
| AIR PERCUSSION       |   |                                  |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE  
INDICATE NORTH BY ARROW

DUNCAN ESTATES

1 km

30 m

WELL

3 km

MILCHOWI SIDE RD

CONS.

DRILLER'S REMARKS

|                   |                 |                             |
|-------------------|-----------------|-----------------------------|
| WELL DRILLING LTD |                 | LICENCE NUMBER<br>4005      |
| 2 GROVE LOR 110.  |                 | LICENCE NUMBER              |
| YQ13              | SUBMISSION DATE | DAY _____ MO _____ YR _____ |

|                 |                    |    |            |      |               |          |       |
|-----------------|--------------------|----|------------|------|---------------|----------|-------|
| OFFICE USE ONLY | DATA SOURCE        | 1  | CONTRACTOR | 4005 | DATE RECEIVED | 26 05 88 | 13-66 |
|                 | DATE OF INSPECTION |    | INSPECTION |      | Aug 88/83     |          |       |
|                 | RE MARKS           | Jm |            |      |               |          |       |







Ontario

# WATER WELL RECORD

6810498

68.006

Van

1105

|                        |                                    |                               |     |
|------------------------|------------------------------------|-------------------------------|-----|
| COUNTY OR DISTRICT     | TOWNSHIP BOROUGH CITY TOWN VILLAGE | CON. BLOCK TRACT QUARTER ETC. | LOT |
| WENT WORTH             | (WEST FLAMBORO) FLAMBORO           | CON 5                         | 018 |
| OWNER (SURNAME FIRST)  | ADDRESS                            | DATE COMPLETED                | NO. |
| G.H. WHYTE, CORP. INC. | KILBRIDE P.O. CNT. LCP 160         | 02-06-83                      | 83  |

(21) TOW EASTING NORTHING PC ELEVATION BC MULTIPLY CORRECTION  
 17 584160 4798700 A 0820 4 25

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

(31) 001822877 004660581 77 008210581 77 009021573

32

## WATER RECORD

| WATER FOUND AT FEET | KIND OF WATER                               |                                    |  |  |
|---------------------|---------------------------------------------|------------------------------------|--|--|
| 00-13<br>0088       | 1 <input checked="" type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR |  |  |
|                     | 2 <input type="checkbox"/> SALT             | 4 <input type="checkbox"/> MINERAL |  |  |
| 15-18               | 1 <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |  |  |
|                     | 2 <input type="checkbox"/> SALT             | 4 <input type="checkbox"/> MINERAL |  |  |
| 20-23               | 1 <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |  |  |
|                     | 2 <input type="checkbox"/> SALT             | 4 <input type="checkbox"/> MINERAL |  |  |
| 25-28               | 1 <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |  |  |
|                     | 2 <input type="checkbox"/> SALT             | 4 <input type="checkbox"/> MINERAL |  |  |
| 30-33               | 1 <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |  |  |
|                     | 2 <input type="checkbox"/> SALT             | 4 <input type="checkbox"/> MINERAL |  |  |

## CASING &amp; OPEN HOLE RECORD

|                          |                                                                                                                                                             |                             |              |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------|
| INSIDE<br>DIAM<br>INCHES | MATERIAL                                                                                                                                                    | WALL<br>THICKNESS<br>INCHES | DEPTH - FEET |
| 06-18<br>64              | <input checked="" type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE | 18                          | 16.00<br>10  |
| 19-18                    | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input checked="" type="checkbox"/> OPEN HOLE | 19                          | 16.00<br>10  |
| 24-18                    | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input checked="" type="checkbox"/> OPEN HOLE | 24                          | 16.00<br>10  |

## PLUGGING &amp; SEALING RECORD

|        |    |    |        |                  |              |    |
|--------|----|----|--------|------------------|--------------|----|
| DEPTH  | 50 | 41 | FEET   |                  |              |    |
| WATER  | 10 |    |        | WATERAL AND TYPE | CEMENT GROUT |    |
|        |    |    |        |                  | LEAD PACKER  | 11 |
| NO. 11 |    |    | NO. 11 |                  |              |    |
| NO. 21 |    |    | 21     | 21               |              |    |
| 11     | 11 |    | 30     | 31               | 00           |    |

| PUMPING TEST METHOD | TO PUMPING RATE | W-16 DURATION OF PUMPING |
|---------------------|-----------------|--------------------------|
|---------------------|-----------------|--------------------------|

PUMPING TEST

|                                                                                 |  |                                  |  |                           |  |                                                                                      |  |                                                                       |  |            |  |       |  |
|---------------------------------------------------------------------------------|--|----------------------------------|--|---------------------------|--|--------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|------------|--|-------|--|
| 1 <input type="checkbox"/> PUMP    2 <input checked="" type="checkbox"/> BAILER |  | 0036                             |  | GPM                       |  | 01                                                                                   |  | 19-18                                                                 |  | 00         |  | 17-18 |  |
| STATIC<br>LEVEL                                                                 |  | WATER LEVEL<br>END OF<br>PUMPING |  | ES<br>WATER LEVELS DURING |  | 1 <input type="checkbox"/> PUMPING<br>2 <input checked="" type="checkbox"/> RECOVERY |  |                                                                       |  |            |  |       |  |
| 19-21                                                                           |  | 22-24                            |  | 15 MINUTES                |  | 30 MINUTES                                                                           |  | 45 MINUTES                                                            |  | 60 MINUTES |  |       |  |
| 028.8                                                                           |  | 036                              |  | 024.8 <sup>28</sup>       |  | 028.31                                                                               |  | 028                                                                   |  | 028        |  | 33.37 |  |
| FEET                                                                            |  | FEET                             |  | FEET                      |  | FEET                                                                                 |  | FEET                                                                  |  | FEET       |  | FEET  |  |
| IF FLOWING<br>GIVE RATE                                                         |  | 30-31                            |  | PUMP INTAKE SET AT        |  |                                                                                      |  | WATER AT END OF TEST                                                  |  |            |  | 42    |  |
|                                                                                 |  | GPM                              |  |                           |  | FEET                                                                                 |  | 1 <input type="checkbox"/> CLEAR    2 <input type="checkbox"/> CLOUDY |  |            |  |       |  |
| RECOMMENDED PUMP TYPE                                                           |  | RECOMMENDED                      |  | 43-45                     |  | RECOMMENDED                                                                          |  | PUMP                                                                  |  | 66-68      |  |       |  |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP       |  | SITTING                          |  | FEET                      |  | PUMP<br>RATE                                                                         |  | GPM                                                                   |  |            |  |       |  |
| 50-52                                                                           |  |                                  |  |                           |  |                                                                                      |  |                                                                       |  |            |  |       |  |

| WELL NO. | DATE    | FINAL STATUS OF WELL |
|----------|---------|----------------------|
| 1        | 1/1/50  | 1                    |
| 2        | 2/1/50  | 2                    |
| 3        | 3/1/50  | 3                    |
| 4        | 4/1/50  | 4                    |
| 5        | 5/1/50  | 5                    |
| 6        | 6/1/50  | 6                    |
| 7        | 7/1/50  | 7                    |
| 8        | 8/1/50  | 8                    |
| 9        | 9/1/50  | 9                    |
| 10       | 10/1/50 | 10                   |
| 11       | 11/1/50 | 11                   |
| 12       | 12/1/50 | 12                   |
| 13       | 1/1/51  | 13                   |
| 14       | 2/1/51  | 14                   |
| 15       | 3/1/51  | 15                   |
| 16       | 4/1/51  | 16                   |
| 17       | 5/1/51  | 17                   |
| 18       | 6/1/51  | 18                   |
| 19       | 7/1/51  | 19                   |
| 20       | 8/1/51  | 20                   |
| 21       | 9/1/51  | 21                   |
| 22       | 10/1/51 | 22                   |
| 23       | 11/1/51 | 23                   |
| 24       | 12/1/51 | 24                   |
| 25       | 1/1/52  | 25                   |
| 26       | 2/1/52  | 26                   |
| 27       | 3/1/52  | 27                   |
| 28       | 4/1/52  | 28                   |
| 29       | 5/1/52  | 29                   |
| 30       | 6/1/52  | 30                   |
| 31       | 7/1/52  | 31                   |
| 32       | 8/1/52  | 32                   |
| 33       | 9/1/52  | 33                   |
| 34       | 10/1/52 | 34                   |
| 35       | 11/1/52 | 35                   |
| 36       | 12/1/52 | 36                   |
| 37       | 1/1/53  | 37                   |
| 38       | 2/1/53  | 38                   |
| 39       | 3/1/53  | 39                   |
| 40       | 4/1/53  | 40                   |
| 41       | 5/1/53  | 41                   |
| 42       | 6/1/53  | 42                   |
| 43       | 7/1/53  | 43                   |
| 44       | 8/1/53  | 44                   |
| 45       | 9/1/53  | 45                   |
| 46       | 10/1/53 | 46                   |
| 47       | 11/1/53 | 47                   |
| 48       | 12/1/53 | 48                   |
| 49       | 1/1/54  | 49                   |
| 50       | 2/1/54  | 50                   |
| 51       | 3/1/54  | 51                   |
| 52       | 4/1/54  | 52                   |
| 53       | 5/1/54  | 53                   |
| 54       | 6/1/54  | 54                   |
| 55       | 7/1/54  | 55                   |
| 56       | 8/1/54  | 56                   |
| 57       | 9/1/54  | 57                   |
| 58       | 10/1/54 | 58                   |
| 59       | 11/1/54 | 59                   |
| 60       | 12/1/54 | 60                   |
| 61       | 1/1/55  | 61                   |
| 62       | 2/1/55  | 62                   |
| 63       | 3/1/55  | 63                   |
| 64       | 4/1/55  | 64                   |
| 65       | 5/1/55  | 65                   |
| 66       | 6/1/55  | 66                   |
| 67       | 7/1/55  | 67                   |
| 68       | 8/1/55  | 68                   |
| 69       | 9/1/55  | 69                   |
| 70       | 10/1/55 | 70                   |
| 71       | 11/1/55 | 71                   |
| 72       | 12/1/55 | 72                   |
| 73       | 1/1/56  | 73                   |
| 74       | 2/1/56  | 74                   |
| 75       | 3/1/56  | 75                   |
| 76       | 4/1/56  | 76                   |
| 77       | 5/1/56  | 77                   |
| 78       | 6/1/56  | 78                   |
| 79       | 7/1/56  | 79                   |
| 80       | 8/1/56  | 80                   |
| 81       | 9/1/56  | 81                   |
| 82       | 10/1/56 | 82                   |
| 83       | 11/1/56 | 83                   |
| 84       | 12/1/56 | 84                   |
| 85       | 1/1/57  | 85                   |
| 86       | 2/1/57  | 86                   |
| 87       | 3/1/57  | 87                   |
| 88       | 4/1/57  | 88                   |
| 89       | 5/1/57  | 89                   |
| 90       | 6/1/57  | 90                   |
| 91       | 7/1/57  | 91                   |
| 92       | 8/1/57  | 92                   |
| 93       | 9/1/57  | 93                   |
| 94       | 10/1/57 | 94                   |
| 95       | 11/1/57 | 95                   |
| 96       | 12/1/57 | 96                   |
| 97       | 1/1/58  | 97                   |
| 98       | 2/1/58  | 98                   |
| 99       | 3/1/58  | 99                   |
| 100      | 4/1/58  | 100                  |

|                            |                                                    |                                                          |
|----------------------------|----------------------------------------------------|----------------------------------------------------------|
| FINAL<br>STATUS<br>OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY | 3 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY |
|                            | 2 <input type="checkbox"/> OBSERVATION WELL        | 4 <input type="checkbox"/> ABANDONED POOR QUALITY        |
|                            | 3 <input type="checkbox"/> TEST HOLE               | 5 <input type="checkbox"/> UNFINISHED                    |
|                            | 4 <input type="checkbox"/> RECHARGE WALL           |                                                          |

WATER  
USE (

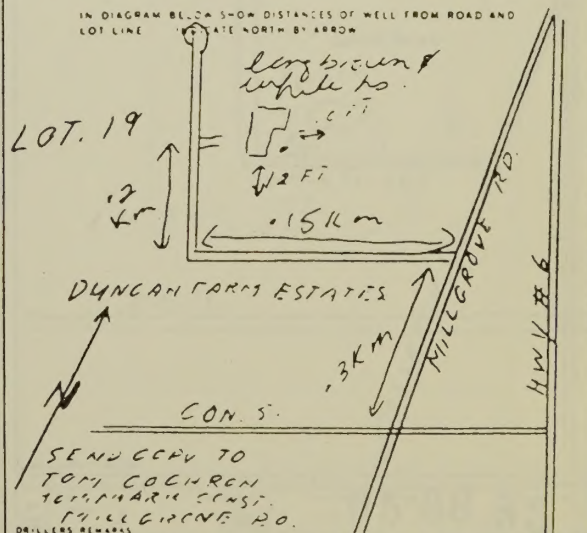
|                 |                                                |                                                        |
|-----------------|------------------------------------------------|--------------------------------------------------------|
| WATER<br>USE 01 | 1 <input checked="" type="checkbox"/> DOMESTIC | 5 <input type="checkbox"/> COMMERCIAL                  |
|                 | 2 <input type="checkbox"/> STOCK               | 6 <input type="checkbox"/> MUNICIPAL                   |
|                 | 3 <input type="checkbox"/> IRRIGATION          | 7 <input type="checkbox"/> PUBLIC SUPPLY               |
|                 | 4 <input type="checkbox"/> INDUSTRIAL          | 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING |

## METHOD OF DRILLING

|                                      |                                                  |                                    |  |
|--------------------------------------|--------------------------------------------------|------------------------------------|--|
| <input type="checkbox"/> OTHER _____ |                                                  | <input type="checkbox"/> NOT USED  |  |
| METHOD<br>OF<br>DRILLING             | 1 <input checked="" type="checkbox"/> CABLE TOOL | 5 <input type="checkbox"/> BORING  |  |
|                                      | 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) | 7 <input type="checkbox"/> DIAMOND |  |
|                                      | 3 <input type="checkbox"/> ROTARY (REVERSE)      | 8 <input type="checkbox"/> JETTING |  |
|                                      | 4 <input type="checkbox"/> ROTARY (AIR)          | 9 <input type="checkbox"/> DRIVING |  |
|                                      |                                                  |                                    |  |

## LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE     INDICATE NORTH BY ARROW



|            |                               |  |                              |  |
|------------|-------------------------------|--|------------------------------|--|
| CONTRACTOR | NAME OF WELL CONTRACTOR       |  | LICENSE NUMBER               |  |
|            | GCCNOR WELL DRILLING LTD 4005 |  |                              |  |
|            | ADDRESS                       |  |                              |  |
|            | RR #1 MILLGROVE CRT. LORINO   |  |                              |  |
|            | NAME OF DRILLER OR BORER      |  | LICENSE NUMBER               |  |
|            | J.B. GCCNOR                   |  |                              |  |
|            | SIGNATURE OF CONTRACTOR       |  | SUBMISSION DATE              |  |
|            | J.B. GCCNOR                   |  | DATE _____ MO _____ YR _____ |  |

|                 |                    |                 |                     |       |
|-----------------|--------------------|-----------------|---------------------|-------|
| OFFICE USE ONLY | DATA SOURCE        | 15 CONSTRUCTION | 15-42 DATA RECEIVED | 15-42 |
|                 |                    | 1 4005          | 15 06 83            |       |
|                 | DATE OF INSPECTION | INSPECTION      | aug 9/83            |       |
|                 |                    |                 | JN                  |       |
|                 | REMARKS            |                 |                     |       |

MINISTRY OF THE ENVIRONMENT COPY

FORM NO 0508-4-77 GCM





6810519 68006 c/n 018 18  
WENTWORTH (WENTWORTH) CUMMINSVILLE DR. WENTWORTH 22-07-83  
21 17 584200 4798860 4 0860 4 24

| LOG OF OVERBURDEN AND BEDROCK MATERIALS |                       |                       |                    | SEE INSTRUCTIONS |      |
|-----------------------------------------|-----------------------|-----------------------|--------------------|------------------|------|
| GENERAL COLOUR                          | MOIST COMMON MATERIAL | OTHER MATERIALS       | UNITAL DESCRIPTION | DEPTH - FEET     | FEET |
| BKLL                                    | 70                    | VERM INTERPHASICS LTD |                    |                  |      |
|                                         |                       | 2192 SANDRICHAM PRINC |                    |                  |      |
|                                         |                       | BURLINGTON CNT L74119 |                    |                  |      |
| BROWN                                   | SAND                  |                       | LCOSL              | 0                | 41   |
| GRY                                     | SANDY CLAY            |                       | LCOSL              | 41               | 67   |
| GRY                                     | SAND & GRAVEL         |                       | LCOSL              | 67               | 75   |
| GRY                                     | LIMESICKE             |                       | HARD               | 75               | 78   |

JUN 25 1985

31 004162872 00672058192 00752281192 007821573  
32

| WATER RECORD        |                                                                                                                                            | CASING & OPEN HOLE RECORD |          | PLUGGING & SEALING RECORD |  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------|---------------------------|--|
| WATER FOUND AT FEET | KIND OF WATER                                                                                                                              | INSIDE DIA (INCHES)       | WATER AT | SCREEN                    |  |
| 0076                | <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL | 06 1/2                    | STEEL    | 61                        |  |
|                     | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |                           | 188      |                           |  |
|                     | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |                           |          |                           |  |
|                     | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |                           |          |                           |  |
|                     | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |                           |          |                           |  |
|                     | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |                           |          |                           |  |
|                     | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |                           |          |                           |  |
|                     | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |                           |          |                           |  |
|                     | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL            |                           |          |                           |  |

71 PUMPING TEST METHOD 10 PUMPING RATE 116 CUMULATIVE PUMP VOLUME

1 ☐ PUMP ☒ BAILEY 0076 CPM 01 15 16 00 17 18

| STATIC LEVEL                                                              | WATER LEVEL END OF PUMPING | WATER LEVELS DURING                                         | WATER AT END OF TEST |
|---------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------|----------------------|
| 028                                                                       | 045                        | 15 MINUTES 030 30 MINUTES 028 45 MINUTES 028 60 MINUTES 026 |                      |
| FEET                                                                      | FEET                       | FEET                                                        | FEET                 |
| IF FLOWING GIVE RATE                                                      | PUMP INTAKE SET AT         | WATER AT END OF TEST                                        |                      |
|                                                                           | CPM                        | FEET                                                        |                      |
| RECOMMENDED PUMP TYPE                                                     | RECOMMENDED PUMP SETTING   | RECOMMENDED PUMPING RATE                                    |                      |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | 072                        | 0010                                                        |                      |
| 50-53                                                                     |                            |                                                             |                      |

|                      |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL STATUS OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL                                                    | 5 <input type="checkbox"/> ABANDONED - INSUFFICIENT SUPPLY 6 <input type="checkbox"/> ABANDONED - POOR QUALITY 7 <input type="checkbox"/> UNFINISHED                                                           |
| WATER USE            | 1 <input checked="" type="checkbox"/> DOMESTIC 2 <input type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> OTHER                                      | 5 <input type="checkbox"/> COMMERCIAL 6 <input type="checkbox"/> MUNICIPAL 7 <input type="checkbox"/> PUBLIC SUPPLY 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING 9 <input type="checkbox"/> NOT USED |
| METHOD OF DRILLING   | 1 <input checked="" type="checkbox"/> CABLE TOOL 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) 3 <input type="checkbox"/> ROTARY (REVERSE) 4 <input type="checkbox"/> ROTARY (AIR) 5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING 7 <input type="checkbox"/> DIAMOND 8 <input type="checkbox"/> JETTING 9 <input type="checkbox"/> DRIVING                                                                     |

LOCATION OF WELL

IN THE VIEW HERE, A SHOW DISTANCE OF WELL FROM ROAD AND EXISTING AND LATE NUMBER OF STRUCK

White brick

Well

CUMMINSVILLE ST.

LOT 26

CAN S.

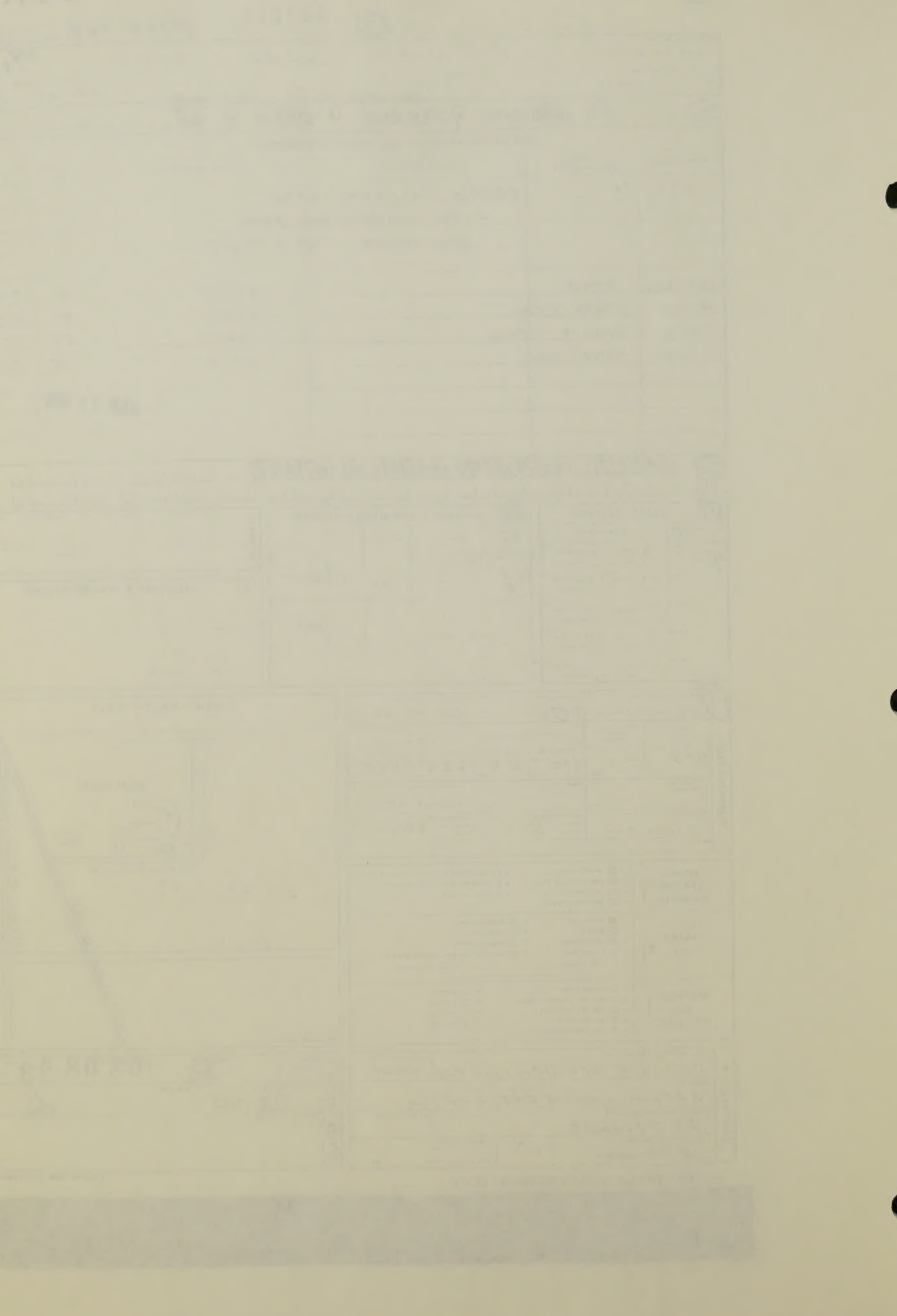
MILLGROVE RD

HWY 26

DRILLER'S REMARKS

|            |                            |                 |
|------------|----------------------------|-----------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR    | LICENCE NUMBER  |
|            | OCCONOR WELLDRIKING LTD    | 4005            |
|            | ADDRESS                    |                 |
|            | BRAE MILLGROVE CNT. LORINO |                 |
|            | NAME OF DRILLER OR BORE    | LICENCE NUMBER  |
|            | J.A. O'CONNOR              |                 |
|            | SIGNATURE OF CONTRACTOR    | SUBMISSION DATE |
|            | J.A. O'Connor              |                 |

|                 |                    |               |                       |
|-----------------|--------------------|---------------|-----------------------|
| OFFICE USE ONLY | DATE SOURCE        | 15 CONTRACTOR | 18 DATE OF INSPECTION |
|                 | 1                  | 4005          | 05 08 83              |
|                 | DATE OF INSPECTION | July 17/85    | INSPECTION            |
|                 | REMARKS            |               |                       |





6810533 68006 CON 05

COUNTY OR DISTRICT  
WENTWORTH (WEST FLAMBORO) FLAMBORO CON. 5 018 18

OWNER SURNAME FIRST  
Pleavin, S 28 Cummingsville Dr. Waterdown 10 08 83

(21) ZONE EASTING NORTHING ELEVATION AREA CODE  
17 584060 47799060 4 9865 4 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS

| GENERAL COLOUR  | WATER | THICKNESS | DEPTH |
|-----------------|-------|-----------|-------|
| BROWN SAND      | LOOSE | 0         | 38    |
| GREY SANDY CLAY | LOOSE | 38        | 81    |
| GREY LIMESTONE  | HARD  | 81        | 86    |

JUN 25 1986

(31) 008261517 008261518 008621513

(32)

(41) WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER                                                                     |
|-----------------------|-----------------------------------------------------------------------------------|
| 0084 10-13            | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 34 |
| 15-18                 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL 35            |
| 20-23                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 36            |
| 25-28                 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL 37            |
| 30-33                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 38            |
|                       | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL 39            |

(51) CASING & OPEN HOLE RECORD

| INSIDE DIA. INCHES | MATERIAL                                       | DEPTH FEET |
|--------------------|------------------------------------------------|------------|
| 064 10-11          | 1 <input checked="" type="checkbox"/> STEEL 12 | 13-16      |
| 24-25              | 1 <input type="checkbox"/> STEEL 16            | 27-30      |

SCREEN

61 PLUGGING & SEALING RECORD

(71) PUMPING TEST

| PUMPING TEST METHOD                                                          | PUMPING RATE               | TIME DURATION OF PUMPING   |
|------------------------------------------------------------------------------|----------------------------|----------------------------|
| 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILEY | 0036                       | 01 15 00                   |
| STATIC LEVEL                                                                 | WATER LEVEL END OF PUMPING | WATER LEVEL DURING PUMPING |
| 028 10-21                                                                    | 034 22-24                  | 028 28-31 028 32-34 028 35 |
| RECOMMENDED PUMP TYPE                                                        | RECOMMENDED PUMP SETTING   | RECOMMENDED PUMP RATE      |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP    | 080                        | 0010                       |

FINAL STATUS OF WELL

|                                                    |                                             |                                      |                                          |                                                            |                                                     |                                       |
|----------------------------------------------------|---------------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------|---------------------------------------|
| 1 <input checked="" type="checkbox"/> WATER SUPPLY | 2 <input type="checkbox"/> OBSERVATION WELL | 3 <input type="checkbox"/> TEST HOLE | 4 <input type="checkbox"/> RECHARGE WELL | 5 <input type="checkbox"/> ABANDONED - INSUFFICIENT SUPPLY | 6 <input type="checkbox"/> ABANDONED - POOR QUALITY | 7 <input type="checkbox"/> UNFINISHED |
|----------------------------------------------------|---------------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------------------------|-----------------------------------------------------|---------------------------------------|

WATER USE

|                                                |                                  |                                       |                                       |                                  |                                       |                                      |                                          |                                                  |                                      |
|------------------------------------------------|----------------------------------|---------------------------------------|---------------------------------------|----------------------------------|---------------------------------------|--------------------------------------|------------------------------------------|--------------------------------------------------|--------------------------------------|
| 1 <input checked="" type="checkbox"/> DOMESTIC | 2 <input type="checkbox"/> STOCK | 3 <input type="checkbox"/> IRRIGATION | 4 <input type="checkbox"/> INDUSTRIAL | 5 <input type="checkbox"/> OTHER | 6 <input type="checkbox"/> COMMERCIAL | 7 <input type="checkbox"/> MUNICIPAL | 8 <input type="checkbox"/> PUBLIC SUPPLY | 9 <input type="checkbox"/> LUBRICATING OIL & GAS | 10 <input type="checkbox"/> NOT USED |
|------------------------------------------------|----------------------------------|---------------------------------------|---------------------------------------|----------------------------------|---------------------------------------|--------------------------------------|------------------------------------------|--------------------------------------------------|--------------------------------------|

METHOD OF DRILLING

|                                                  |                                                  |                                             |                                         |                                           |                                  |                                     |                                  |
|--------------------------------------------------|--------------------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------|----------------------------------|
| 1 <input checked="" type="checkbox"/> CABLE TOOL | 2 <input type="checkbox"/> ROTARY - CONVENTIONAL | 3 <input type="checkbox"/> ROTARY - REVERSE | 4 <input type="checkbox"/> ROTARY - AIR | 5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> SHARP | 7 <input type="checkbox"/> WIRELINE | 8 <input type="checkbox"/> OTHER |
|--------------------------------------------------|--------------------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------|----------------------------------|

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCE OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

LOT #19

DUNCAN ESTATES

CUMMINGVILLE ST.

MILLGROVE RD.

Hwy 10

CCNS

DRILLER'S REMARKS

CONTRACTOR

NAME OF WELL CONTRACTOR  
O'CONNOR WELL DRILLING LTD.

ADDRESS  
111 MILLGROVE LOR 100 ONT.

NAME OF DRILLER OR BORE  
J.B. O'CONNOR

SIGNATURE OF CONTRACTOR  
J.B. O'CONNOR

LICENCE NUMBER  
4005

DATE OF INSPECTION  
July 17/85

CONTRACTOR  
4005

DATE OF INSPECTION  
08 09 83

REMARKS  
KBM

OFFICE USE ONLY

DATE OF INSPECTION

REMARKS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0528-4-77 FORM 1





081054068006CON05

COUNTY OR DISTRICT

WENTWORTH

(WEST FLAMBORO) FLAMBORO

CON.5

08

DATE COMPLETED

Green, W 24 Cumr. 13.112 Dr Waterdown 90 09 83

21

17

58.4/20

4799.020

4

0865

4

24

LOG OF OVERBURDEN AND BEDROCK MATERIALS

GENERAL COLOUR

WENT

COMMON MATERIAL

GENERAL DESCRIPTION

FROM

TO

BROWN

SANDY CLAY

LOOSE

0

47

GREY

SANDY CLAY

LOOSE

47

80

GREY

LIMESTONE

HARD

80

87

JUN 25 1985

31

00476.0/18/87

00000205/18/87

00872.15/87

32

085

067

0188

1

0081

81

0087

WATER RECORD

WATER FOUND AT FEET

KIND OF WATER

1 FRESH 3 SULPHUR

2 SALTY 4 MINERAL

10-13

15-16

20-23

25-28

30-33

085

067

0188

1

0081

81

0087

CASING & OPEN HOLE RECORD

10-13

15-16

20-23

25-28

30-33

085

067

0188

1

0081

81

0087

PLUGGING & SEALING RECORD

10-13

15-16

20-23

25-28

30-33

085

067

0188

1

0081

81

0087

PUMPING TEST

71

PUMPING TEST METHOD

1 PUMP 2 BAILER

0018

026

073

031

026

026

026

082

010

FINAL STATUS OF WELL

1 WATER SUPPLY

2 OBSERVATION WELL

3 TEST HOLE

4 RECHARGE WELL

5 ABANDONED INSUFFICIENT

6 ABANDONED POOR QUALITY

7 UNFINISHED

8

9

WATER USE

1 DOMESTIC

2 IRRIGATION

3 INDUSTRIAL

4 OTHER

5 COMMERCIAL

6 MUNICIPAL

7 PUBLIC SUPPLY

8 CHILLING OR AIR CONDITIONING

9 NOT USED

01

METHOD OF DRILLING

1 CABLE TOOL

2 ROTARY CONVENTIONAL

3 ROTARY REVERSE

4 ROTARY AIR

5 AIR PERCUSSION

6 MURPHY

7 SAMPLING

8 SETTING

9 DRILLING

01

LOCATION OF WELL

WELL LOT. 21

440

44MMINGSVILLE ST

MILLGROVE RD

HWY #6

CON. 5.

CONTRACTOR

NAME OF WELL CONTRACTOR

O'CONNOR WELL DRILLING LTD.

LICENCE NUMBER

4005

ADDRESS

RR # 1 MILLGROVE ONT. LOR IVO

NAME OF DRILLER OR BORER

J. B. O'CONNOR

SIGNATURE OF CONTRACTOR

J. B. O'CONNOR

SUBMISSION DATE

DATE

MO

YR

OFFICE USE ONLY

DATE SOURCE

1

CONTRACTOR

4005

DATE OF INSPECTION

21 10 83

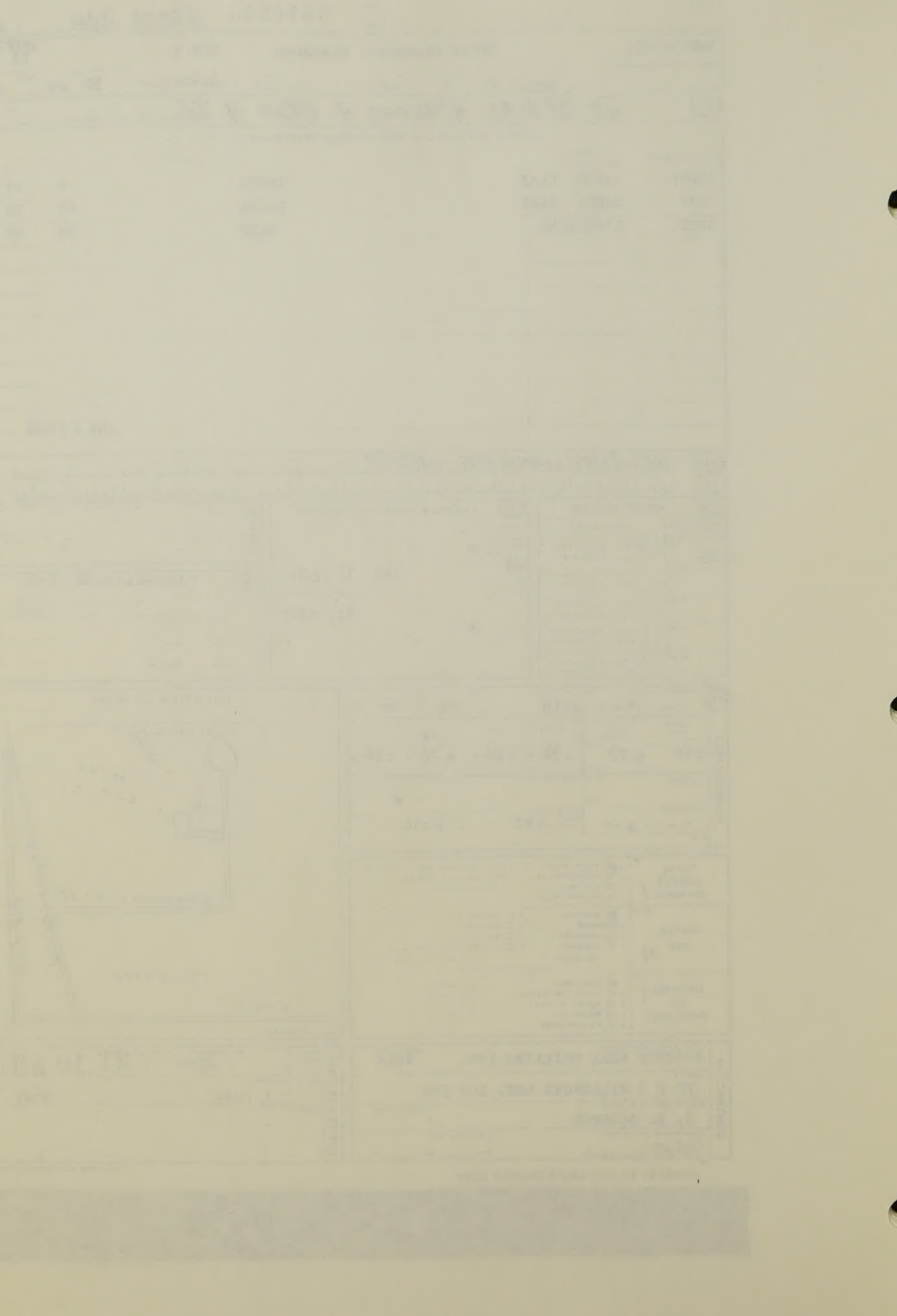
REMARKS

July 17/85

INSPECTOR

KW

MINISTRY OF THE ENVIRONMENT COPY

















15d

2.  $C = \begin{bmatrix} C_{11} & C_{12} \\ C_{21} & C_{22} \end{bmatrix}$  CORRECT FOR WHEN APPLICABLE

68. 616. 200

104

|    |    |    |
|----|----|----|
| 22 | 23 | 24 |
| 25 | 26 | 27 |

C19

5. 31. 1945

22 18

|                 |                    |               |            |           |
|-----------------|--------------------|---------------|------------|-----------|
| OFFICE USE ONLY | DATA SOURCE        | 58 CONTRACTOR | 59-42 DATE | 63-68 NO. |
|                 | 1                  | 4005          | 010972     |           |
|                 | DATE OF INSPECTION | INSPECTOR     |            |           |
|                 | 12, 4, 73          |               |            | 7         |
| REMARKS         |                    |               |            | P 2       |
|                 |                    |               |            | WI        |

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2 CHECK ☒ CORRECT BOX WHEN APPLICABLE

11

6808259

1990

60-

68996

12. *C. d. n.*

116

COUNTY OR DISTRICT

TOWNSHIP BOROUGHS SITE TOWN MAP

BLOCK TRACT SURVEY ETC

22 23

$$W_{\alpha,1} t_{\alpha,1} + t_{\alpha,1}$$

W. Flanagan

019

OWNER SURNAME FIRST

ADDRESS

DATE COMPLETED \_\_\_\_\_

G. FENNELL

0.02 - 0.05 - 0.07

21

1.7 1584560

WORKING

6896960 4

ELEVATION  
10840

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11 10 9

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31 2006/05/25

OK 32/6

32

四

41 WATER RECORD

51 CASING &amp; OPEN HOLE RECORD

| WATER SOUND FEET |  | KIND OF WATER                             |                                    | INSIDE DIAM. INCHES |  | MATERIAL                                       |    | WALL THICKNESS INCHES |  | DEPTH - FEET |               |
|------------------|--|-------------------------------------------|------------------------------------|---------------------|--|------------------------------------------------|----|-----------------------|--|--------------|---------------|
|                  |  |                                           |                                    |                     |  |                                                |    |                       |  | FROM         | TO            |
| 10-13            |  | <input checked="" type="checkbox"/> FRESH | 3 <input type="checkbox"/> SULPHUR | 10-11               |  | <input checked="" type="checkbox"/> STEEL      | 12 |                       |  |              |               |
| 062              |  | <input checked="" type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERAL | <del>10-11</del>    |  | <input checked="" type="checkbox"/> GALVANIZED |    |                       |  |              | 0062          |
| 15-18            |  | <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |                     |  | <input type="checkbox"/> CONCRETE              |    | 188                   |  | 0            | <del>18</del> |
|                  |  | <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |                     |  | <input type="checkbox"/> OPEN HOLE             |    |                       |  |              |               |
| 20-23            |  | <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR | 17-18               |  | <input type="checkbox"/> STEEL                 | 19 |                       |  |              | 20-23         |
|                  |  | <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |                     |  | <input type="checkbox"/> GALVANIZED            |    |                       |  |              | 006           |
|                  |  |                                           |                                    |                     |  | <input type="checkbox"/> CONCRETE              |    |                       |  | 61           | <del>18</del> |
| 25-28            |  | <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR | 24-25               |  | <input checked="" type="checkbox"/> OPEN HOLE  |    |                       |  |              |               |
|                  |  | <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |                     |  | <input type="checkbox"/> STEEL                 | 26 |                       |  |              | 27-30         |
| 30-33            |  | <input type="checkbox"/> FRESH            | 3 <input type="checkbox"/> SULPHUR |                     |  | <input type="checkbox"/> GALVANIZED            |    |                       |  |              |               |
|                  |  | <input type="checkbox"/> SALTY            | 4 <input type="checkbox"/> MINERAL |                     |  | <input type="checkbox"/> CONCRETE              |    |                       |  |              |               |
|                  |  |                                           |                                    |                     |  | <input type="checkbox"/> OPEN HOLE             |    |                       |  |              |               |

|        |                                  |                           |        |
|--------|----------------------------------|---------------------------|--------|
| SCREEN | SIZE(S) OF OPENING<br>(SLOT NO.) | DIAMETER                  | LENGTH |
|        | MATERIAL AND TYPE                | INCHES                    |        |
|        |                                  | DEPTH TO TOP<br>OF SCREEN |        |

| 61 PLUGGING & SEALING RECORD |       |                   |                                   |
|------------------------------|-------|-------------------|-----------------------------------|
| DEPTH - SET AT - FEET        |       | MATERIAL AND TYPE | CEMENT GROUT<br>LEAK PACKER, ETC. |
| FROM                         | TO    |                   |                                   |
| 10-13                        | 14-17 |                   |                                   |
| 18-21                        | 22-25 |                   |                                   |
| 26-29                        | 30-33 | 80                |                                   |

|              |                                                                              |  |                                    |  |                                                                              |  |
|--------------|------------------------------------------------------------------------------|--|------------------------------------|--|------------------------------------------------------------------------------|--|
| PUMPING TEST | PUMPING TEST METHOD                                                          |  | 10 PUMPING RATE                    |  | 11-16 DURATION OF PUMPING                                                    |  |
|              | <input type="checkbox"/> PUMP<br><input checked="" type="checkbox"/> BAILER  |  | 0030                               |  | 15-16 HOURS<br>02 17-18 MIN                                                  |  |
|              | STATIC LEVEL                                                                 |  | 25 WATER LEVELS DURING             |  | 1 PUMPING                                                                    |  |
|              | 19-21<br>012<br>FEET                                                         |  | 22-24<br>020<br>FEET               |  | 2 RECOVERY<br>15 MINUTES<br>26-28<br>012<br>FEET                             |  |
|              | 29-31<br>020<br>FEET                                                         |  | 30 MINUTES<br>29-31<br>012<br>FEET |  | 45 MINUTES<br>32-34<br>012<br>FEET                                           |  |
|              | IF FLOWING GIVE RATE                                                         |  | 38-41 PUMP INTAKE SET AT           |  | WATER AT END OF TEST                                                         |  |
|              | GPM                                                                          |  | FEET                               |  | <input type="checkbox"/> CLEAR<br><input checked="" type="checkbox"/> CLOUDY |  |
|              | RECOMMENDED PUMP TYPE                                                        |  | RECOMMENDED SETTING                |  | RECOMMENDED PUMPING RATE                                                     |  |
|              | <input checked="" type="checkbox"/> SHALLOW<br><input type="checkbox"/> DEEP |  | 025                                |  | 43-45<br>0110<br>GPM                                                         |  |
|              | 50-55                                                                        |  | 0038 GPM/FT. SPECIFIC CAPACITY     |  |                                                                              |  |

|                                    |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>FINAL STATUS OF WELL</b></p> | <p>1 <input checked="" type="checkbox"/> WATER SUPPLY<br/> 2 <input checked="" type="checkbox"/> OBSERVATION WELL<br/> 3 <input type="checkbox"/> TEST HOLE<br/> 4 <input type="checkbox"/> RECHARGE WELL</p>                                                       | <p>5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br/> 6 <input type="checkbox"/> ABANDONED POOR QUALITY<br/> 7 <input type="checkbox"/> UNFINISHED</p>                                                                         |
| <p><b>WATER USE</b></p>            | <p>1 <input checked="" type="checkbox"/> DOMESTIC<br/> 2 <input type="checkbox"/> STOCK<br/> 3 <input type="checkbox"/> IRRIGATION<br/> 4 <input type="checkbox"/> INDUSTRIAL<br/> <input type="checkbox"/> OTHER</p>                                               | <p>5 <input type="checkbox"/> COMMERCIAL<br/> 6 <input type="checkbox"/> MUNICIPAL<br/> 7 <input type="checkbox"/> PUBLIC SUPPLY<br/> 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br/> 9 <input type="checkbox"/> NOT USED</p> |
| <p><b>METHOD OF DRILLING</b></p>   | <p>1 <input checked="" type="checkbox"/> CABLE TOOL<br/> 2 <input checked="" type="checkbox"/> ROTARY (CONVENTIONAL)<br/> 3 <input type="checkbox"/> ROTARY (REVERSE)<br/> 4 <input type="checkbox"/> ROTARY AIR<br/> 5 <input type="checkbox"/> AIR PERCUSSION</p> | <p>6 <input type="checkbox"/> BORING<br/> 7 <input type="checkbox"/> DIAMOND<br/> 8 <input type="checkbox"/> JETTING<br/> 9 <input type="checkbox"/> DRIVING</p>                                                                          |

|            |                                                 |                                                                  |
|------------|-------------------------------------------------|------------------------------------------------------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br><i>Wesley Pughon</i> | LICENCE NUMBER<br><i>4208</i>                                    |
|            | NAME OF DRILLER OR BORE<br><i>Wesley Pughon</i> | LICENCE NUMBER<br><i>4208</i>                                    |
|            | SIGNATURE OF CONTRACTOR<br><i>Wesley Pughon</i> | SUBMISSION DATE<br>DATE <i>23</i> MONTH <i>04</i> YEAR <i>20</i> |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

V

MILL GROVE

45'

10'

Well

IV

17, 18, 19, 20.

First house West of alley

DRILLERS REMARKS

|                 |                    |               |                      |       |
|-----------------|--------------------|---------------|----------------------|-------|
| OFFICE USE ONLY | DATA SOURCE        | 50 CONTRACTOR | 59-62, DATE RECEIVED | 63-64 |
|                 | 1                  | 4208          | 251072               |       |
|                 | DATE OF INSPECTION | INSPECTOR     |                      |       |
|                 | 12, 4, 73          |               |                      | 7     |
|                 | REMARKS            |               |                      | P 7   |
|                 |                    |               |                      | WI    |

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2 CHECK ☒ CORRECT BOX WHERE APPLICABLE

2000 年 12 月 15 日

CO

11

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

|    |           |           |           |           |           |  |  |
|----|-----------|-----------|-----------|-----------|-----------|--|--|
| 31 | Qqzndqznd | Qqzndqznd | Qqzndqznd | Qqzndqznd | Qqzndqznd |  |  |
| 32 |           |           |           |           |           |  |  |

| 61 PLUGGING & SEALING RECORD |       |                   |                                    |
|------------------------------|-------|-------------------|------------------------------------|
| DEPTH SET AT - FEET          |       | MATERIAL AND TYPE | CEMENT GROUT,<br>LEAD PACKER, ETC. |
| FROM                         | TO    |                   |                                    |
| 10-13                        | 14-17 |                   |                                    |
| 18-21                        | 22-25 |                   |                                    |
| 26-29                        | 30-33 |                   |                                    |
|                              |       |                   |                                    |

|                                     |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FINAL<br/>STATUS<br/>OF WELL</b> | <sup>54</sup><br><del>1</del> <input checked="" type="checkbox"/> WATER SUPPLY<br>2 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                                       | 5 <input type="checkbox"/> ABANDONED INSUFFICIENT FLUID<br>6 <input type="checkbox"/> ABANDONED, POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                            |
|                                     | <b>WATER<br/>USE</b> <i>02</i>                                                                                                                                                                                                                                          | 1 <input type="checkbox"/> DOMESTIC<br><del>2</del> <input checked="" type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER |
| <b>METHOD<br/>OF<br/>DRILLING</b>   | <sup>51</sup><br><del>1</del> <input checked="" type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAMOND<br>8 <input type="checkbox"/> TAPPING<br>9 <input type="checkbox"/> DRIVING                                                               |

|                 |                    |  |                |                      |           |
|-----------------|--------------------|--|----------------|----------------------|-----------|
| OFFICE USE ONLY | DATA SOURCE        |  | 58- CONTRACTOR | 58-62, DATE RECEIVED | 63-64, NO |
|                 | 1                  |  | 4602           | 081172               |           |
|                 | DATE OF INSPECTION |  | INSPECTOR      |                      |           |
|                 | 12, 4, 73          |  |                |                      |           |
|                 | REMARKS            |  |                |                      | P 7       |
|                 |                    |  |                |                      | WI        |

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ONTARIO

The Ontario Water Resources Act

# WATER WELL RECORD

30m/sd

11 6808529 168006 E4N 105

COUNTY OR DISTRICT: Wentworth TOWNSHIP: W. Flamborough VILLAGE: MIL GRAVES

NAME: DUNCAN ADDRESS: Milgraves Ont. DATE COMPLETED: 05 MAR 73

21 6808529 17 584348 4798793 4 850 4 24 MAR 20, 1975 54

| LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) |                      |                 |                     |              |    |
|------------------------------------------------------------|----------------------|-----------------|---------------------|--------------|----|
| GENERAL COLOUR                                             | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |    |
|                                                            |                      |                 |                     | FROM         | TO |
| Brown                                                      | clay                 |                 | loamy clay loam     | 0            | 79 |
| Grey                                                       | shale Rock           |                 |                     | 79           | 80 |
| Grey                                                       | limestone            |                 |                     | 80           | 82 |

31 32 41 51

41 WATER RECORD

WATER FOUND AT FEET: 480

KIND OF WATER: FRESH

1 FRESH 2 SALTY 3 SULPHUR 4 MINERAL

15-18 20-23 25-28 30-33

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES: 188

MATERIAL: STEEL

WALL THICKNESS INCHES: 0

DEPTH FEET: 80

1 STEEL 2 GALVANIZED 3 CONCRETE 4 OPEN HOLE

61 PLUGGING & SEALING RECORD

DEPTH SET AT FEET: 80

FROM: 10-13 TO: 14-17

18-21 22-25 26-29 30-33 60

71 PUMPING TEST

PUMPING TEST METHOD: 1 PUMP

1 PUMP 2 BAUER 3 OTHER

STATIC LEVEL: 130

WATER LEVELS DURING PUMPING: 130

RECOMMENDED PUMP TYPE: DEEP

RECOMMENDED PUMP SETTING: 40

RECOMMENDED PUMPING RATE: 10

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

at a older white stone two story house on S side of main red brick road house

17 18 19 22 24

5th con

17 18 19 22 24

17 18 19 22 24

FINAL STATUS OF WELL: 1 WATER SUPPLY

1 WATER SUPPLY 2 OBSERVATION WELL 3 TEST HOLE 4 RECHARGE WELL

5 ABANDONED INSUFFICIENT SUPPLY 6 ABANDONED POOR QUALITY 7 UNFINISHED

WATER USE: 1 DOMESTIC

1 DOMESTIC 2 STOCK 3 IRRIGATION 4 INDUSTRIAL 5 OTHER

METHOD OF DRILLING: 1 CABLE TOOL

1 CABLE TOOL 2 ROTARY CONVENTIONAL 3 ROTARY REVERSE 4 ROTARY AIR 5 AIR PERCUSSION

6 BORING 7 DIAMOND 8 JETTING 9 DRIVING

CONTRACTOR: Wesley Parkham LICENCE NUMBER: 4218

NAME OF OWNER: RR2 Ancaster

NAME OF DRILLER: Wesley Parkham LICENCE NUMBER: 4218

SIGNATURE OF CONTRACTOR: Wesley Parkham SUBMISSION DATE: 4 May 73

OFFICE USE ONLY

DATA SOURCE: 1

CONTRACTOR: 4218 DATE RECEIVED: 070873

DATE OF INSPECTION: 7

REMARKS: Wesley Parkham





# WATER WELL RECORD

ONTARIO

DO NOT WRITE IN SPACES PROVIDED

11

6808339

68006

(04)

25.4.2

105

|                                        |  |                                                            |  |                                              |  |                               |  |
|----------------------------------------|--|------------------------------------------------------------|--|----------------------------------------------|--|-------------------------------|--|
| COUNTY OR DISTRICT<br><i>Wentworth</i> |  | TOWN OR RURALITY CITY TOWN VILLAGE<br><i>West Flamboro</i> |  | CON. BLOCK, TRAIL, SURVEY, ETC.<br><i>6V</i> |  | DATE COMPLETED<br><i>1978</i> |  |
| OWNER - SURNAME FIRST<br><i>Hugh</i>   |  | ADDRESS<br><i>Rutherford H 421 Delaware Ave Burlington</i> |  | DATE COMPLETED<br><i>19 Sept 72</i>          |  |                               |  |
| TOWNSHIP<br><i>17</i>                  |  | EASTING<br><i>583810</i>                                   |  | NORTHING<br><i>4799570</i>                   |  | ELEVATION<br><i>9870</i>      |  |
| BASIN CODE<br><i>34</i>                |  | BASIN CODE<br><i>34</i>                                    |  | BASIN CODE<br><i>34</i>                      |  | BASIN CODE<br><i>34</i>       |  |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible][illegible]

| CASING & OPEN HOLE RECORD |                | DEPTH | FEET |
|---------------------------|----------------|-------|------|
| INCH                      | WALL THICKNESS | FROM  | TO   |
| 10 1/2                    | 1/2            |       |      |
| 1                         | 1              |       |      |
| 2                         | 2              |       |      |
| 3                         | 3              |       |      |
| 4                         | 4              |       |      |
| 5                         | 5              |       |      |
| 6                         | 6              |       |      |
| 7                         | 7              |       |      |
| 8                         | 8              |       |      |
| 9                         | 9              |       |      |
| 10                        | 10             |       |      |
| 11                        | 11             |       |      |
| 12                        | 12             |       |      |
| 13                        | 13             |       |      |
| 14                        | 14             |       |      |
| 15                        | 15             |       |      |
| 16                        | 16             |       |      |
| 17                        | 17             |       |      |
| 18                        | 18             |       |      |
| 19                        | 19             |       |      |
| 20                        | 20             |       |      |
| 21                        | 21             |       |      |
| 22                        | 22             |       |      |
| 23                        | 23             |       |      |
| 24                        | 24             |       |      |
| 25                        | 25             |       |      |
| 26                        | 26             |       |      |
| 27                        | 27             |       |      |
| 28                        | 28             |       |      |
| 29                        | 29             |       |      |
| 30                        | 30             |       |      |
| 31                        | 31             |       |      |
| 32                        | 32             |       |      |
| 33                        | 33             |       |      |
| 34                        | 34             |       |      |
| 35                        | 35             |       |      |
| 36                        | 36             |       |      |
| 37                        | 37             |       |      |
| 38                        | 38             |       |      |
| 39                        | 39             |       |      |
| 40                        | 40             |       |      |
| 41                        | 41             |       |      |
| 42                        | 42             |       |      |
| 43                        | 43             |       |      |
| 44                        | 44             |       |      |
| 45                        | 45             |       |      |
| 46                        | 46             |       |      |
| 47                        | 47             |       |      |
| 48                        | 48             |       |      |
| 49                        | 49             |       |      |
| 50                        | 50             |       |      |
| 51                        | 51             |       |      |
| 52                        | 52             |       |      |
| 53                        | 53             |       |      |
| 54                        | 54             |       |      |
| 55                        | 55             |       |      |
| 56                        | 56             |       |      |
| 57                        | 57             |       |      |
| 58                        | 58             |       |      |
| 59                        | 59             |       |      |
| 60                        | 60             |       |      |
| 61                        | 61             |       |      |
| 62                        | 62             |       |      |
| 63                        | 63             |       |      |
| 64                        | 64             |       |      |
| 65                        | 65             |       |      |
| 66                        | 66             |       |      |
| 67                        | 67             |       |      |
| 68                        | 68             |       |      |
| 69                        | 69             |       |      |
| 70                        | 70             |       |      |
| 71                        | 71             |       |      |
| 72                        | 72             |       |      |
| 73                        | 73             |       |      |
| 74                        | 74             |       |      |
| 75                        | 75             |       |      |
| 76                        | 76             |       |      |
| 77                        | 77             |       |      |
| 78                        | 78             |       |      |
| 79                        | 79             |       |      |
| 80                        | 80             |       |      |
| 81                        | 81             |       |      |
| 82                        | 82             |       |      |
| 83                        | 83             |       |      |
| 84                        | 84             |       |      |
| 85                        | 85             |       |      |
| 86                        | 86             |       |      |
| 87                        | 87             |       |      |
| 88                        | 88             |       |      |
| 89                        | 89             |       |      |
| 90                        | 90             |       |      |
| 91                        | 91             |       |      |
| 92                        | 92             |       |      |
| 93                        | 93             |       |      |
| 94                        | 94             |       |      |
| 95                        | 95             |       |      |
| 96                        | 96             |       |      |
| 97                        | 97             |       |      |
| 98                        | 98             |       |      |
| 99                        | 99             |       |      |
| 100                       | 100            |       |      |

|        | SIZE             | NO.   | DATE    | TIME  | NO.    |
|--------|------------------|-------|---------|-------|--------|
| SCREEN | SIZES OF OPENING | 30-33 | DRAWING | 34-38 | LENGTH |
|        | "S.D." NO.       |       |         |       | 39-40  |
|        |                  |       | N.W.    |       | FEET   |
|        | WATER AND TIME   |       |         |       | 21.44  |
|        |                  |       |         |       | 00     |

| 61           |       | PLUGGING & SEALING RECORD |                    |
|--------------|-------|---------------------------|--------------------|
| DEPTH - FEET | FEET  | MATERIAL AND TYPE         | REMARKS            |
| FROM         | TO    |                           | LEAD WEIGHT - LBS. |
| 10-13        | 14-17 |                           |                    |
| 18-21        | 22-25 |                           |                    |
| 26-29        | 30-33 |                           |                    |

|                                                                                                       |                                                                                                    |                                                |                                                                                                                                              |                                                |                                                                                                                      |  |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--|
| PUMPING TEST                                                                                          | PUMPING TEST NO. <u>71</u>                                                                         |                                                | DATE OF TEST <u>11-16-00</u>                                                                                                                 |                                                | TIME OF DAY <u>17:30</u>                                                                                             |  |
|                                                                                                       | <input type="checkbox"/> PUMP<br><input checked="" type="checkbox"/> <u>X</u> SO. P.W. <u>0005</u> |                                                | <input type="checkbox"/> PUMP<br><input checked="" type="checkbox"/> <u>X</u> PUMPING                                                        |                                                | <input type="checkbox"/> RECOVERY                                                                                    |  |
|                                                                                                       | STATIC LEVEL<br>10-21 <u>035</u> FEET<br>22-24 <u>080</u> FEET                                     |                                                | WATER LEVEL DURING<br>15 MINUTES <u>080</u> FEET<br>30 MINUTES <u>080</u> FEET<br>45 MINUTES <u>080</u> FEET<br>60 MINUTES <u>080</u> FEET   |                                                | 15 MINUTES <u>080</u> FEET<br>30 MINUTES <u>080</u> FEET<br>45 MINUTES <u>080</u> FEET<br>60 MINUTES <u>080</u> FEET |  |
|                                                                                                       | IF FLOWING<br>GIVE RATE                                                                            |                                                | WATER AT END OF TEST<br>15 MINUTES <u>080</u> FEET<br>30 MINUTES <u>080</u> FEET<br>45 MINUTES <u>080</u> FEET<br>60 MINUTES <u>080</u> FEET |                                                | 15 MINUTES <u>080</u> FEET<br>30 MINUTES <u>080</u> FEET<br>45 MINUTES <u>080</u> FEET<br>60 MINUTES <u>080</u> FEET |  |
| RECOMMENDED PUMP TYPE<br><input type="checkbox"/> SHALLOW<br><input checked="" type="checkbox"/> DEEP |                                                                                                    | RECOMMENDED<br>PUMPING<br>RATE <u>0004</u> GPM |                                                                                                                                              | RECOMMENDED<br>PUMPING<br>RATE <u>0004</u> GPM |                                                                                                                      |  |
| 50-53 <u>000.1</u> GPM - FE. SPECIFIC CAPACITY                                                        |                                                                                                    |                                                |                                                                                                                                              |                                                |                                                                                                                      |  |

|                                     |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>FINAL<br/>STATUS<br/>OF WELL</p> | <p>54</p> <p><input checked="" type="checkbox"/> WATER SUPPLY</p> <p><input type="checkbox"/> OBSERVATION WELL</p> <p><input type="checkbox"/> TEST WELL</p> <p><input type="checkbox"/> RECHARGE WELL</p>                                                         | <p>5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY</p> <p>6 <input type="checkbox"/> ABANDONED POOR QUALITY</p> <p>7 <input type="checkbox"/> UNFINISHED</p>                                                                             |
| <p>WATER<br/>USE</p> <p>01</p>      | <p>55-56</p> <p><input checked="" type="checkbox"/> DOMESTIC</p> <p><input type="checkbox"/> STOCK</p> <p><input type="checkbox"/> IRRIGATION</p> <p><input type="checkbox"/> INDUSTRIAL</p> <p><input type="checkbox"/> OTHER</p>                                 | <p>1 <input type="checkbox"/> COMMERCIAL</p> <p>2 <input type="checkbox"/> MUNICIPAL</p> <p>3 <input type="checkbox"/> PUBLIC SUPPLY</p> <p>4 <input type="checkbox"/> COOLING OR AIR CONDITIONING</p> <p>5 <input type="checkbox"/> NOT USED</p> |
| <p>METHOD<br/>OF<br/>DRILLING</p>   | <p>57</p> <p><input checked="" type="checkbox"/> CABLE TOOL</p> <p><input type="checkbox"/> ROTARY (CONVENTIONAL)</p> <p><input type="checkbox"/> ROTARY (REVERSE)</p> <p><input type="checkbox"/> ROTARY (AIR)</p> <p><input type="checkbox"/> AIR PERCUSSION</p> | <p>4 <input type="checkbox"/> BORING</p> <p>5 <input type="checkbox"/> DIAMOND</p> <p>6 <input type="checkbox"/> JETTING</p> <p>7 <input type="checkbox"/> DRIVING</p>                                                                            |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

H.

Well

400'

#6 Highway

.45 of a mile

.42 mi

E. F.

6th

Conc. Road

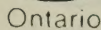
DRILLER'S REMARKS

|            |                         |                   |
|------------|-------------------------|-------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR | LICENSE NUMBER    |
|            | C. J. Wallis            | 547               |
|            | ADDRESS                 |                   |
|            | R.R. #2 Stray Creek     |                   |
|            | NAME OF OWNER OR BOER   | LICENSE NUMBER    |
|            | same                    |                   |
|            | SIGNATURE OF CONTRACTOR | SUBMISSION DATE   |
|            | Dence A Wallis          | DAY 28 MO 3 YR 77 |

|                 |                    |  |               |           |                     |  |       |  |
|-----------------|--------------------|--|---------------|-----------|---------------------|--|-------|--|
| OFFICE USE ONLY | DATA               |  | 38 CONTRACTOR |           | 58-62 DATE RECEIVED |  | 63-68 |  |
|                 | SOURCE             |  | 1 5417        |           | 040173              |  |       |  |
|                 | DATE OF INSPECTION |  |               | INSPECTOR |                     |  |       |  |
|                 | 12, 4, 73          |  |               |           |                     |  | 7     |  |
|                 | REMARKS            |  |               |           |                     |  | P 7   |  |
|                 |                    |  |               |           |                     |  | WI    |  |







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(On)

1944

|                                   |  |                                      |  |                              |  |                   |
|-----------------------------------|--|--------------------------------------|--|------------------------------|--|-------------------|
| COUNTY OR DISTRICT                |  | TOWNSHIP BORDUWICH CITY TOWN VILLAGE |  | 3 FOR BLOCK TRACT SURVEY ETC |  | 22 23 24<br>25-27 |
| Wentworth                         |  | West Flamboro                        |  | 4                            |  | 0/7               |
| NAME (SURNAME FIRST) VANDERSTEEPE |  | ADDRESS                              |  | DATE COMPLETED               |  | 28-31             |
| John Vandersteepe                 |  | 969 Bonnieview Burlington            |  | 01                           |  | 28-31<br>Aug 74   |
| 120                               |  | 300                                  |  | EASTING                      |  | NORTHING          |

6804874 17 583900 4798287 4 836 4 24 OCT 13, 1977 321 11

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

|                     |                |              |  |
|---------------------|----------------|--------------|--|
| 41                  |                | WATER RECORD |  |
| WATER FOUND AT FEET | KIND OF WATER  |              |  |
| 10-13               | RESH 3 SULPHUR |              |  |

|               |          |                           |              |
|---------------|----------|---------------------------|--------------|
| 51            |          | CASING & OPEN HOLE RECORD |              |
| INSIDE INCHES | MATERIAL | WALL THICKNESS INCHES     | DEPTH - FEET |
|               |          |                           | FROM TO      |
| 10-12         | STEEL    | 1/8                       | 100          |

|        |                    |                        |          |       |      |       |
|--------|--------------------|------------------------|----------|-------|------|-------|
| SCREEN | SIZE OF OPENING    | 31-33                  | DIAMETER | 34-38 | 1-10 | 39-40 |
|        | 1/2" NO. 1         |                        |          |       |      |       |
|        | WATER AL. AND TYPE | DEPTH TO TOP OF SCREEN |          | 31-38 | FEET |       |
|        |                    |                        |          |       |      |       |

|       |   |                          |       |   |         |    |    |                                     |            |       |    |                           |       |
|-------|---|--------------------------|-------|---|---------|----|----|-------------------------------------|------------|-------|----|---------------------------|-------|
| 10-16 | 1 | <input type="checkbox"/> | FRESH | 3 | SULPHUR | 18 | 1  | <input type="checkbox"/>            | GALVANIZED | 10    | 61 | PLUGGING & SEALING RECORD |       |
|       | 2 | <input type="checkbox"/> | SALTY | 4 | MINERAL |    | 2  | <input type="checkbox"/>            | CONCRETE   | 10-13 | 62 | DEPTH SET IN FEET         |       |
|       |   |                          |       |   |         |    | 3  | <input checked="" type="checkbox"/> | OPEN HOLE  |       | 63 | FROM                      | TO    |
| 20-23 | 1 | <input type="checkbox"/> | FRESH | 3 | SULPHUR | 24 | 4  | <input type="checkbox"/>            | STEEL      | 10-13 | 64 | MATERIAL AND TIME         |       |
|       | 2 | <input type="checkbox"/> | SALTY | 4 | MINERAL |    | 5  | <input type="checkbox"/>            | GALVANIZED | 14-17 | 65 | 10-13                     | 14-17 |
|       |   |                          |       |   |         |    | 6  | <input type="checkbox"/>            | CONCRETE   |       | 66 | 18-21                     | 22-25 |
| 25-28 | 1 | <input type="checkbox"/> | FRESH | 3 | SULPHUR | 29 | 7  | <input checked="" type="checkbox"/> | OPEN HOLE  | 27-30 | 67 | 20-23                     | 30-33 |
|       | 2 | <input type="checkbox"/> | SALTY | 4 | MINERAL |    | 8  | <input type="checkbox"/>            | STEEL      |       | 68 |                           |       |
|       |   |                          |       |   |         |    | 9  | <input type="checkbox"/>            | GALVANIZED |       | 69 |                           |       |
| 30-33 | 1 | <input type="checkbox"/> | FRESH | 3 | SULPHUR | 34 | 10 | <input type="checkbox"/>            | CONCRETE   |       | 70 |                           |       |
|       | 2 | <input type="checkbox"/> | SALTY | 4 | MINERAL |    | 11 | <input type="checkbox"/>            | OPEN HOLE  |       | 71 |                           |       |

|              |                                                                              |  |                            |  |                       |  |                                                                |  |
|--------------|------------------------------------------------------------------------------|--|----------------------------|--|-----------------------|--|----------------------------------------------------------------|--|
| PUMPING TEST | PUMPING TEST METHOD                                                          |  | PUMPING RATE               |  | DURATION OF PUMPING   |  | LOCATION OF WELL                                               |  |
|              | 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> SAUCER |  | 0020                       |  | 01:18:00              |  | S 34 S                                                         |  |
|              | STATIC LEVEL                                                                 |  | WATER LEVEL END OF PUMPING |  | 18-18 HOURS           |  | IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE |  |
|              | 010                                                                          |  | 017                        |  | 00                    |  | INDICATE NORTH BY ARROW                                        |  |
|              | WATER LEVELS DURING                                                          |  | 15 MINUTES                 |  | 30 MINUTES            |  | 45 MINUTES                                                     |  |
|              | 010                                                                          |  | 017                        |  | 015                   |  | 017                                                            |  |
|              | WATER AT END OF TEST                                                         |  | WATER AT END OF TEST       |  | WATER AT END OF TEST  |  | WATER AT END OF TEST                                           |  |
|              | 010                                                                          |  | 017                        |  | 015                   |  | 017                                                            |  |
|              | RECOMMENDED PUMP TYPE                                                        |  | RECOMMENDED PUMP TYPE      |  | RECOMMENDED PUMP TYPE |  | RECOMMENDED PUMP TYPE                                          |  |
|              | 065                                                                          |  | 0010                       |  | 0010                  |  | 0010                                                           |  |
|              | SHALLOW                                                                      |  | DEEP                       |  | SHALLOW               |  | DEEP                                                           |  |
|              | 065                                                                          |  | 0010                       |  | 0010                  |  | 0010                                                           |  |
|              | GPM                                                                          |  | GPM                        |  | GPM                   |  | GPM                                                            |  |
|              | 065                                                                          |  | 0010                       |  | 0010                  |  | 0010                                                           |  |

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>FINAL STATUS OF WELL</p> <p>1 <input checked="" type="checkbox"/> WATER SUPPLY</p> <p>2 <input type="checkbox"/> OBSERVATION WELL</p> <p>3 <input type="checkbox"/> TEST HOLE</p> <p>4 <input type="checkbox"/> REC-ARGE WELL</p>                                                         | <p>5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY</p> <p>6 <input type="checkbox"/> ABANDONED POOR QUALITY</p> <p>7 <input type="checkbox"/> UNFINISHED</p>                                                                              |
| <p>WATER USE</p> <p>1 <input checked="" type="checkbox"/> DOMESTIC</p> <p>2 <input type="checkbox"/> STOCK</p> <p>3 <input type="checkbox"/> IRRIGATION</p> <p>4 <input type="checkbox"/> INDUSTRIAL</p> <p>5 <input type="checkbox"/> OTHER</p>                                             | <p>6 <input type="checkbox"/> COMMERCIAL</p> <p>7 <input type="checkbox"/> MUNICIPAL</p> <p>8 <input type="checkbox"/> PUBLIC SUPPLY</p> <p>9 <input type="checkbox"/> COOLING OR AIR CONDITIONING</p> <p>10 <input type="checkbox"/> NOT USED</p> |
| <p>METHOD OF DRILLING</p> <p>1 <input checked="" type="checkbox"/> CABLE TOOL</p> <p>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)</p> <p>3 <input type="checkbox"/> ROTARY (REVERSE)</p> <p>4 <input type="checkbox"/> ROTARY (AIR)</p> <p>5 <input type="checkbox"/> AIR PERCUSSION</p> | <p>6 <input type="checkbox"/> BORING</p> <p>7 <input type="checkbox"/> DIAMOND</p> <p>8 <input type="checkbox"/> JETTING</p> <p>9 <input type="checkbox"/> DRIVING</p>                                                                             |

|            |                                         |  |                         |                 |                       |                         |          |
|------------|-----------------------------------------|--|-------------------------|-----------------|-----------------------|-------------------------|----------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br>C. J. Wallis |  | LICENCE NUMBER<br>5-417 | OFFICE USE ONLY | DATA SOURCE<br>1 5417 | DATE RECEIVED<br>060874 | 93 92 90 |
|            | ADDRESS<br>RR #2 Storey Creek           |  |                         |                 | DATE OF INSPECTION    | INSPECTOR               |          |
|            | NAME OF DRILLER OR BORER                |  | LICENCE NUMBER          |                 | REMARKS               |                         | P<br>K   |
|            | SIGNATURE OF CONTRACTOR<br>C. J. Wallis |  | SUBMISSION DATE         |                 |                       |                         | WI       |



WATER WELL RECORD



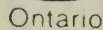
WATER WELL RECORD

WATER WELL RECORD

WATER WELL RECORD

WATER WELL RECORD





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2 CHECK ☒ CORRECT BOX WHERE APPLICABLE

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MUNICIP  
168.006

CON  
1204

1105

COUNTY OR DISTRICT

TOWNSHIP BOROUGH CITY TOWN VILLAGE

---

CON BLOCK TRACT SURVEY ETC

|    |    |    |
|----|----|----|
| 11 | 12 | 13 |
|----|----|----|

Westworth

West Flemish

0/8

OWNER SURNAME FIRST 18-47

ADDRESS  
421 DeKawre Ave Burl.

DATE COMPLETED  
DAY 16 MO Aug YR 74

6808911

17

583971

4799459

4

872

4

24

OCT 13, 1977

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32

| 41                  |                                                                                | WATER RECORD  |  |
|---------------------|--------------------------------------------------------------------------------|---------------|--|
| WATER FOUND AT FEET |                                                                                | KIND OF WATER |  |
| 0-13                | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR | 14            |  |
| 13-18               | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            | 18            |  |
| 18-23               | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR            | 24            |  |
| 23-28               | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            | 28            |  |
| 28-33               | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR            | 34            |  |
| 33-38               | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |               |  |

| 51                   |                                                                                                                                                                                | CASING & OPEN HOLE RECORD   |              |        |  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------|--------|--|
| INCH<br>DIAM<br>FEET | MATERIAL                                                                                                                                                                       | WALL<br>THICKNESS<br>INCHES | DEPTH - FEET |        |  |
|                      |                                                                                                                                                                                |                             | FROM         | TO     |  |
| 0-11<br>8 1/4        | 1 <input checked="" type="checkbox"/> STEEL<br>2 <input type="checkbox"/> GALVANIZED<br>3 <input type="checkbox"/> CONCRETE<br>4 <input checked="" type="checkbox"/> OPEN HOLE | 1/88                        | 0            | 29 1/4 |  |
| 17-18                | 1 <input type="checkbox"/> STEEL<br>2 <input type="checkbox"/> GALVANIZED<br>3 <input type="checkbox"/> CONCRETE<br>4 <input checked="" type="checkbox"/> OPEN HOLE            |                             | 94           | 0094   |  |
| 24-25                | 1 <input type="checkbox"/> STEEL<br>2 <input type="checkbox"/> GALVANIZED<br>3 <input type="checkbox"/> CONCRETE<br>4 <input type="checkbox"/> OPEN HOLE                       |                             |              | 0099   |  |
|                      | 1 <input type="checkbox"/> STEEL<br>2 <input type="checkbox"/> GALVANIZED<br>3 <input type="checkbox"/> CONCRETE<br>4 <input type="checkbox"/> OPEN HOLE                       |                             |              | 27-30  |  |

|        |                                  |                           |          |        |        |       |
|--------|----------------------------------|---------------------------|----------|--------|--------|-------|
| SCREEN | SIZE(S) OF OPENING<br>(SLOT NO.) | 31-33                     | DIAMETER | 30-38  | LENGTH | 39-46 |
|        |                                  |                           |          | INCHES |        | FEET  |
|        | MATERIAL AND TYPE                | DEPTH TO TOP<br>OF SCREEN |          | 41-44  | 80     |       |

| 61                |       | PLUGGING & SEALING RECORD                           |  |
|-------------------|-------|-----------------------------------------------------|--|
| DEPTH SET AT FEET |       | MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.) |  |
| FROM              | TO    |                                                     |  |
| 10-13             | 10-17 |                                                     |  |
| 10-21             | 22-25 |                                                     |  |
| 26-28             | 30-33 | 90                                                  |  |

|              |                                                                              |                            |                             |                     |                          |                                                                               |                                     |
|--------------|------------------------------------------------------------------------------|----------------------------|-----------------------------|---------------------|--------------------------|-------------------------------------------------------------------------------|-------------------------------------|
| PUMPING TEST | PUMPING TEST METHOD                                                          |                            | 10                          | PUMPING RATE        | 15-16                    | DURATION OF PUMPING                                                           |                                     |
|              | 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER |                            | 0020                        |                     | CPM                      | 15-16 HOURS                                                                   | 00 7-10 MINS                        |
|              | STATIC LEVEL                                                                 | WATER LEVEL END OF PUMPING | 23                          | WATER LEVELS DURING |                          | 1 <input checked="" type="checkbox"/> PUMPING                                 | 2 <input type="checkbox"/> RECOVERY |
|              | 19-21 FEET                                                                   | 22-24 FEET                 | 15 MINUTES                  | 30 MINUTES          | 45 MINUTES               | 60 MINUTES                                                                    |                                     |
|              | 055                                                                          | 065                        | 060                         | 065                 | 065                      | 065                                                                           |                                     |
|              | FEET                                                                         | FEET                       | FEET                        | FEET                | FEET                     | FEET                                                                          | FEET                                |
|              | FLOWING G.P. RATE                                                            |                            | 30-41                       | PUMP INTAKE SET AT  |                          | WATER AT END OF TEST                                                          |                                     |
|              |                                                                              |                            | CPM                         | FEET                |                          | 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY |                                     |
|              | RECOMMENDED PUMP TYPE                                                        |                            | RECOMMENDED PUMP SETTING    | 4-65 FEET           | RECOMMENDED PUMPING RATE |                                                                               | 66-68 CPM                           |
|              | 1 <input type="checkbox"/> S-HALL 2 <input checked="" type="checkbox"/> DEEP |                            | 085                         |                     | 0010                     |                                                                               | CPM                                 |
|              | BO 93                                                                        |                            | GPM / FT. SPECIFIC CAPACITY |                     |                          |                                                                               |                                     |

|                                              |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                   |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>FINAL<br/>STATUS<br/>OF WELL</p> <p>1</p> | <p>1 <input checked="" type="checkbox"/> WATER SUPPLY</p> <p>2 <input type="checkbox"/> OBSERVATION WELL</p> <p>3 <input type="checkbox"/> TEST HOLE</p> <p>4 <input type="checkbox"/> RECHARGE WELL</p>                                                                 | <p>5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY</p> <p>6 <input type="checkbox"/> ABANDONED, POOR QUALITY</p> <p>7 <input type="checkbox"/> UNFINISHED</p>                                                                           |
| <p>WATER<br/>USE</p> <p>01</p>               | <p>11 5A 1 <input checked="" type="checkbox"/> DOMESTIC</p> <p>2 <input type="checkbox"/> STOCK</p> <p>3 <input type="checkbox"/> IRRIGATION</p> <p>4 <input type="checkbox"/> INDUSTRIAL</p> <p><input type="checkbox"/> OTHER _____</p>                                | <p>5 <input type="checkbox"/> COMMERCIAL</p> <p>6 <input type="checkbox"/> MUNICIPAL</p> <p>7 <input type="checkbox"/> PUBLIC SUPPLY</p> <p>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING</p> <p>9 <input type="checkbox"/> NOT USED</p> |
| <p>METHOD<br/>OF<br/>DRILLING</p> <p>1</p>   | <p>11 57 1 <input checked="" type="checkbox"/> CABLE TOOL</p> <p>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)</p> <p>3 <input type="checkbox"/> ROTARY (REVERSE)</p> <p>4 <input type="checkbox"/> ROTARY (AIR)</p> <p>5 <input type="checkbox"/> AIR PERCUSSION</p> | <p>6 <input type="checkbox"/> BORING</p> <p>7 <input type="checkbox"/> DIAMOND</p> <p>8 <input type="checkbox"/> JETTING</p> <p>9 <input type="checkbox"/> DRIVING</p>                                                                            |

LOCATION OF WELL 5399

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH ARROW

Well

175'

lot 18 conc II

1/2 mile

26th Conc. Rd.

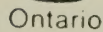
DRILLERS REMARKS

|            |                         |                             |
|------------|-------------------------|-----------------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR | LICENSE NUMBER              |
|            | G. J. Wallis            | 5417                        |
|            | ADDRESS                 |                             |
|            | R.R. #2 Strong Creek    |                             |
|            | NAME OF MILLER OR BOREH | LICENSE NUMBER              |
|            |                         |                             |
|            | SIGNATURE OF CONTRACTOR | SUBMISSION DATE             |
|            | G. J. Wallis            | DAY _____ MO _____ YR _____ |

|                 |                    |   |            |       |               |          |                  |
|-----------------|--------------------|---|------------|-------|---------------|----------|------------------|
| OFFICE USE ONLY | DATA<br>SOURCE     | 1 | CONTRACTOR | 55-21 | DATE RECEIVED | 03-28-70 | 90               |
|                 | 1                  |   | 5417       |       | 300874        |          |                  |
|                 | DATE OF INSPECTION |   | INSPECTION |       |               |          |                  |
|                 | REMARKS            |   |            |       |               |          | P<br>K<br><br>WI |







MINISTRY OF THE ENVIRONMENT  
The Ontario Water Resources Act

30 m 5d

2 CHECK ☒ CORRECT! BOX WHERE APPLICABLE

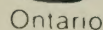
104

6809139 17 584493 4798391 4 924 4 24 OCT 13, 1977 3215

|            |                                                   |  |                                                  |                 |                         |                           |                                  |                    |
|------------|---------------------------------------------------|--|--------------------------------------------------|-----------------|-------------------------|---------------------------|----------------------------------|--------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br><b>JOHN B. OCONNOR</b> |  | LICENCE NUMBER<br><b>4005</b>                    | OFFICE USE ONLY | DATA SOURCE<br><b>1</b> | CONTRACTOR<br><b>4005</b> | DATE RECEIVED<br><b>12 06 75</b> | 82-84<br><b>10</b> |
|            | ADDRESS<br><b>RR # 1 MILLGROVE ONT.</b>           |  |                                                  |                 | DATE OF INSPECTION      | INSPECTION                |                                  |                    |
|            | NAME OF DRILLER OR BORER<br><b>W. HOWE</b>        |  | LICENCE NUMBER                                   |                 | REMARKS:                |                           |                                  | <b>P 15.</b>       |
|            | SIGNATURE OF CONTRACTOR<br><i>[Signature]</i>     |  | SUBMISSION DATE<br>DAY _____ MO. _____ YR. _____ |                 |                         |                           |                                  | <b>WI</b>          |







3000 5d

2. CHECK <sup>FOR</sup> CORRECT BOT ANSWER APPLICATION.

11

16809150

68.006

CON

105

|                       |                                 |                                 |                 |
|-----------------------|---------------------------------|---------------------------------|-----------------|
| COUNTY OR DISTRICT    | TOWNSHIP AND/OR CITY OR VILLAGE | SECTION BLOCK TRACT SURVEY ETC. | LOT<br>28-29-30 |
| WENTWORTH             | WEST FLAMBOROUGH                | V                               | 09              |
| OWNER - SURNAME FIRST | ADDRESS                         | DATE COMPLETED                  | 03              |
| VERHOEVEN JOHN        | 4123 UPPER MIDDLE ROAD          | JUNE 75                         | 75              |
| FIRST LASTING         | MORNING                         | NO.                             |                 |

6809150 17 584733 4798704 4 824 4 24 OCT 13, 1977 321  
: LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

|    |           |         |          |  |  |  |
|----|-----------|---------|----------|--|--|--|
| 31 | 0008 0281 | 0058 08 | 0060 115 |  |  |  |
| 32 |           |         |          |  |  |  |

| 41                  |                                                                                            | WATER RECORD                                                             |       |  |  |
|---------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------|--|--|
| WATER FOUND AT FEET |                                                                                            | KIND OF WATER                                                            |       |  |  |
| 0-13                | 1 <input checked="" type="checkbox"/> FRESH<br>2 <input checked="" type="checkbox"/> SALTY | 3 <input type="checkbox"/> SULPHUR<br>4 <input type="checkbox"/> MINERAL | 13-15 |  |  |
| 15-18               | 1 <input type="checkbox"/> FRESH<br>2 <input type="checkbox"/> SALTY                       | 3 <input type="checkbox"/> SULPHUR<br>4 <input type="checkbox"/> MINERAL | 18-20 |  |  |
| 20-23               | 1 <input type="checkbox"/> FRESH<br>2 <input type="checkbox"/> SALTY                       | 3 <input type="checkbox"/> SULPHUR<br>4 <input type="checkbox"/> MINERAL | 23-25 |  |  |
| 25-28               | 1 <input type="checkbox"/> FRESH<br>2 <input type="checkbox"/> SALTY                       | 3 <input type="checkbox"/> SULPHUR<br>4 <input type="checkbox"/> MINERAL | 28-30 |  |  |
| 30-33               | 1 <input type="checkbox"/> FRESH<br>2 <input type="checkbox"/> SALTY                       | 3 <input type="checkbox"/> SULPHUR<br>4 <input type="checkbox"/> MINERAL | 33-35 |  |  |

| CASING & OPEN HOLE RECORD |              |                             |              |
|---------------------------|--------------|-----------------------------|--------------|
| INSIDE<br>DIAM<br>INCHES  | MATERIAL     | WALL<br>THICKNESS<br>INCHES | DEPTH - FEET |
|                           |              |                             | FROM TO      |
| 10-11                     | X STEEL      | 12                          | 13-14        |
| 64-06                     | 1 GALVANIZED | 188                         | 0 58         |
|                           | 2 CONCRETE   |                             | 0058         |
|                           | 3 OPEN HOLE  |                             |              |
| 17-18                     | 1 STEEL      | 19                          | 20-21        |
|                           | 2 GALVANIZED |                             |              |
|                           | 3 CONCRETE   |                             |              |
|                           | 4 OPEN HOLE  |                             |              |
| 24-25                     | 1 STEEL      | 24                          | 27-28        |
|                           | 2 GALVANIZED |                             |              |
|                           | 3 CONCRETE   |                             |              |
|                           | 4 OPEN HOLE  |                             |              |

|        |                     |                        |          |       |        |       |
|--------|---------------------|------------------------|----------|-------|--------|-------|
| SCREEN | SIZE, S. OF OPENING | 31-33                  | DIAMETER | 34-38 | LENGTH | 39-60 |
|        | YOL NO.             |                        |          |       |        |       |
|        | INCHES              |                        |          | FEET  |        |       |
|        | MATERIAL AND TYPE   | DEPTH TO TOP OF SCREEN |          |       | 41-44  | 50    |
|        |                     |                        |          |       | FEET   |       |

| 61           |           | PLUGGING & SEALING RECORD |                                   |
|--------------|-----------|---------------------------|-----------------------------------|
| DEPTH SET AT | FEET      | WATER RL AND TYPE         | "CEMENT" GROUT<br>LEAD PAPER ETC. |
| 10-12        | 14-15     |                           |                                   |
| 16-21        | 22-25     |                           |                                   |
| 26-29        | 30-33 801 |                           |                                   |

|                                                                               |                                 |                                              |                          |                     |                      |                                    |                                                |  |
|-------------------------------------------------------------------------------|---------------------------------|----------------------------------------------|--------------------------|---------------------|----------------------|------------------------------------|------------------------------------------------|--|
| 71                                                                            | PUMPING TEST METHOD             |                                              | 10                       | PUMPING RATE        |                      | 11-16                              | DURATION OF PUMPING                            |  |
|                                                                               | 1 <input type="checkbox"/> PUMP | 2 <input checked="" type="checkbox"/> SAILER |                          | 0020                |                      | 15-16                              | 15-16 HOURS                                    |  |
|                                                                               |                                 |                                              | 25                       | WATER LEVELS DURING |                      | 1 <input type="checkbox"/> PUMPING | 2 <input checked="" type="checkbox"/> RECOVERY |  |
|                                                                               | STATIC LEVEL                    | WATER LEVEL END OF PUMPING                   | 15 MINUTES               | 30 MINUTES          | 45 MINUTES           | 60 MINUTES                         |                                                |  |
|                                                                               | 19-21                           | 22-24                                        | 25-28                    | 29-31               | 32-34                | 35-37                              |                                                |  |
| 015                                                                           | 025                             | 015                                          | 015                      | 015                 | 015                  | 015                                |                                                |  |
| 17 FLOWING GIVE RATE                                                          |                                 | 38-41                                        | PUMP INTAKE SET AT       |                     | WATER AT END OF TEST |                                    |                                                |  |
|                                                                               |                                 | 42                                           |                          |                     |                      |                                    |                                                |  |
| RECOMMENDED PUMP TYPE                                                         |                                 | 38-41                                        | RECOMMENDED PUMP SETTING |                     | 42-45                | RECOMMENDED PUMPING RATE           |                                                |  |
| 1 <input type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP |                                 | 46-48                                        | 058                      |                     | 0015                 |                                    | 49-50                                          |  |
| 50-53                                                                         |                                 | GPM / FT SPECIFIC CAPACITY                   |                          |                     |                      |                                    |                                                |  |

|                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>FINAL<br/>STATUS OF WELL</p> <p>11</p> <p>1 <input checked="" type="checkbox"/> WATER SUPPLY</p> <p>2 <input type="checkbox"/> OBSERVATION WELL</p> <p>3 <input type="checkbox"/> TEST HOLE</p> <p>4 <input type="checkbox"/> RECHARGE WELL</p>                                                             | <p>5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY</p> <p>6 <input type="checkbox"/> ABANDONED POOR QUALITY</p> <p>7 <input type="checkbox"/> UNFINISHED</p>                                                                          |
| <p>15-36</p> <p>WATER<br/>USE</p> <p>12</p> <p>1 <input checked="" type="checkbox"/> DOMESTIC</p> <p>2 <input type="checkbox"/> STOCK</p> <p>3 <input type="checkbox"/> IRRIGATION</p> <p>4 <input type="checkbox"/> INDUSTRIAL</p> <p><input type="checkbox"/> OTHER</p>                                      | <p>5 <input type="checkbox"/> COMMERCIAL</p> <p>6 <input type="checkbox"/> MUNICIPAL</p> <p>7 <input type="checkbox"/> PUBLIC SUPPLY</p> <p>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING</p> <p><input type="checkbox"/> NOT USED</p> |
| <p>17</p> <p>METHOD<br/>OF<br/>DRILLING</p> <p>1 <input checked="" type="checkbox"/> CABLE TOOL</p> <p>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)</p> <p>3 <input type="checkbox"/> ROTARY (REVERSE)</p> <p>4 <input type="checkbox"/> ROTARY (AIR)</p> <p>5 <input type="checkbox"/> AIR PERCUSSION</p> | <p>6 <input type="checkbox"/> BORING</p> <p>7 <input type="checkbox"/> DIAMOND</p> <p>8 <input type="checkbox"/> JETTING</p> <p>9 <input type="checkbox"/> DRIVING</p>                                                                          |

|            |                         |                          |                 |           |
|------------|-------------------------|--------------------------|-----------------|-----------|
| CONTRACTOR | NAME OF WELL CONTRACTOR | CROSS BROS.              | LICENCE NUMBER  | 1620      |
|            | ADDRESS                 | 38 KENNEDY AVE. HAMILTON |                 |           |
|            | NAME OF DRILLER OR BORE | ARTHUR CROSS             | LICENCE NUMBER  | 1620      |
|            | SIGNATURE OF CONTRACTOR | Edward Cross             | SUBMISSION DATE | 3 JUNE 75 |
|            |                         | DAY                      |                 | MO.       |

LOCATION OF WELL 8249.5

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOCATION NORTH BY ARROW

CLAYTON CORNER

1100

150 90°

BINKLEY CRT.

61701

1100

Hwy. 6

0.15 mi.

MILL CREEK

DRILLER'S MARK

|                 |                    |   |      |               |          |            |
|-----------------|--------------------|---|------|---------------|----------|------------|
| OFFICE USE ONLY | DATA SOURCE        | 1 | 1620 | DATE RECEIVED | 23 06 75 | 63-80      |
|                 | DATE OF INSPECTION |   |      | INSPECTOR     |          |            |
|                 | REMARKS            |   |      |               |          | P 15<br>WI |







MINISTRY OF THE ENVIRONMENT  
The Ontario Water Resources Act

# WATER WELL RECORD

30m Sd

1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT: **WENTWORTH**  
TOWNSHIP BOROUGH CITY TOWN VILLAGE: **WEST FLAMBORO**  
MUNICIPALITY: **6809203**  
CONTRACTOR: **68006**  
DATE OF INSTALLATION: **OCT 13, 1977**  
LOT: **017**  
SECTION: **5**  
ELEVATION: **47984.32**  
BASIN CODE: **4 24**  
GENERAL COLOUR: **BROWN**  
MOST COMMON MATERIAL: **SAND**  
OTHER MATERIALS: **SAND @ GRAVEL**  
GENERAL DESCRIPTION: **LOOSE**  
DEPTH - FEET: **67**  
FROM: **0**  
TO: **67**  
DATE OF RECORD: **07 75**

**WATER RECORD**

1. FRESH ☒ 2. SALTY ☐  
3. SULPHUR ☐ 4. MINERAL ☐  
5. FRESH ☒ 6. SALTY ☐  
7. SULPHUR ☐ 8. MINERAL ☐  
9. FRESH ☒ 10. SALTY ☐  
11. SULPHUR ☐ 12. MINERAL ☐  
13. FRESH ☒ 14. SALTY ☐  
15. SULPHUR ☐ 16. MINERAL ☐  
17. FRESH ☒ 18. SALTY ☐  
19. SULPHUR ☐ 20. MINERAL ☐  
21. FRESH ☒ 22. SALTY ☐  
23. SULPHUR ☐ 24. MINERAL ☐  
25. FRESH ☒ 26. SALTY ☐  
27. SULPHUR ☐ 28. MINERAL ☐  
29. FRESH ☒ 30. SALTY ☐  
31. SULPHUR ☐ 32. MINERAL ☐  
33. FRESH ☒ 34. SALTY ☐  
35. SULPHUR ☐ 36. MINERAL ☐  
37. FRESH ☒ 38. SALTY ☐  
39. SULPHUR ☐ 40. MINERAL ☐  
41. FRESH ☒ 42. SALTY ☐  
43. SULPHUR ☐ 44. MINERAL ☐  
45. FRESH ☒ 46. SALTY ☐  
47. SULPHUR ☐ 48. MINERAL ☐  
49. FRESH ☒ 50. SALTY ☐  
51. SULPHUR ☐ 52. MINERAL ☐  
53. FRESH ☒ 54. SALTY ☐  
55. SULPHUR ☐ 56. MINERAL ☐  
57. FRESH ☒ 58. SALTY ☐  
59. SULPHUR ☐ 60. MINERAL ☐  
61. FRESH ☒ 62. SALTY ☐  
63. SULPHUR ☐ 64. MINERAL ☐  
65. FRESH ☒ 66. SALTY ☐  
67. SULPHUR ☐ 68. MINERAL ☐  
69. FRESH ☒ 70. SALTY ☐  
71. SULPHUR ☐ 72. MINERAL ☐  
73. FRESH ☒ 74. SALTY ☐  
75. SULPHUR ☐ 76. MINERAL ☐  
77. FRESH ☒ 78. SALTY ☐  
79. SULPHUR ☐ 80. MINERAL ☐  
81. FRESH ☒ 82. SALTY ☐  
83. SULPHUR ☐ 84. MINERAL ☐  
85. FRESH ☒ 86. SALTY ☐  
87. SULPHUR ☐ 88. MINERAL ☐  
89. FRESH ☒ 90. SALTY ☐  
91. SULPHUR ☐ 92. MINERAL ☐  
93. FRESH ☒ 94. SALTY ☐  
95. SULPHUR ☐ 96. MINERAL ☐  
97. FRESH ☒ 98. SALTY ☐  
99. SULPHUR ☐ 100. MINERAL ☐  
101. FRESH ☒ 102. SALTY ☐  
103. SULPHUR ☐ 104. MINERAL ☐  
105. FRESH ☒ 106. SALTY ☐  
107. SULPHUR ☐ 108. MINERAL ☐  
109. FRESH ☒ 110. SALTY ☐  
111. SULPHUR ☐ 112. MINERAL ☐  
113. FRESH ☒ 114. SALTY ☐  
115. SULPHUR ☐ 116. MINERAL ☐  
117. FRESH ☒ 118. SALTY ☐  
119. SULPHUR ☐ 120. MINERAL ☐  
121. FRESH ☒ 122. SALTY ☐  
123. SULPHUR ☐ 124. MINERAL ☐  
125. FRESH ☒ 126. SALTY ☐  
127. SULPHUR ☐ 128. MINERAL ☐  
129. FRESH ☒ 130. SALTY ☐  
131. SULPHUR ☐ 132. MINERAL ☐  
133. FRESH ☒ 134. SALTY ☐  
135. SULPHUR ☐ 136. MINERAL ☐  
137. FRESH ☒ 138. SALTY ☐  
139. SULPHUR ☐ 140. MINERAL ☐  
141. FRESH ☒ 142. SALTY ☐  
143. SULPHUR ☐ 144. MINERAL ☐  
145. FRESH ☒ 146. SALTY ☐  
147. SULPHUR ☐ 148. MINERAL ☐  
149. FRESH ☒ 150. SALTY ☐  
151. SULPHUR ☐ 152. MINERAL ☐  
153. FRESH ☒ 154. SALTY ☐  
155. SULPHUR ☐ 156. MINERAL ☐  
157. FRESH ☒ 158. SALTY ☐  
159. SULPHUR ☐ 160. MINERAL ☐  
161. FRESH ☒ 162. SALTY ☐  
163. SULPHUR ☐ 164. MINERAL ☐  
165. FRESH ☒ 166. SALTY ☐  
167. SULPHUR ☐ 168. MINERAL ☐  
169. FRESH ☒ 170. SALTY ☐  
171. SULPHUR ☐ 172. MINERAL ☐  
173. FRESH ☒ 174. SALTY ☐  
175. SULPHUR ☐ 176. MINERAL ☐  
177. FRESH ☒ 178. SALTY ☐  
179. SULPHUR ☐ 180. MINERAL ☐  
181. FRESH ☒ 182. SALTY ☐  
183. SULPHUR ☐ 184. MINERAL ☐  
185. FRESH ☒ 186. SALTY ☐  
187. SULPHUR ☐ 188. MINERAL ☐  
189. FRESH ☒ 190. SALTY ☐  
191. SULPHUR ☐ 192. MINERAL ☐  
193. FRESH ☒ 194. SALTY ☐  
195. SULPHUR ☐ 196. MINERAL ☐  
197. FRESH ☒ 198. SALTY ☐  
199. SULPHUR ☐ 200. MINERAL ☐  
201. FRESH ☒ 202. SALTY ☐  
203. SULPHUR ☐ 204. MINERAL ☐  
205. FRESH ☒ 206. SALTY ☐  
207. SULPHUR ☐ 208. MINERAL ☐  
209. FRESH ☒ 210. SALTY ☐  
211. SULPHUR ☐ 212. MINERAL ☐  
213. FRESH ☒ 214. SALTY ☐  
215. SULPHUR ☐ 216. MINERAL ☐  
217. FRESH ☒ 218. SALTY ☐  
219. SULPHUR ☐ 220. MINERAL ☐  
221. FRESH ☒ 222. SALTY ☐  
223. SULPHUR ☐ 224. MINERAL ☐  
225. FRESH ☒ 226. SALTY ☐  
227. SULPHUR ☐ 228. MINERAL ☐  
229. FRESH ☒ 230. SALTY ☐  
231. SULPHUR ☐ 232. MINERAL ☐  
233. FRESH ☒ 234. SALTY ☐  
235. SULPHUR ☐ 236. MINERAL ☐  
237. FRESH ☒ 238. SALTY ☐  
239. SULPHUR ☐ 240. MINERAL ☐  
241. FRESH ☒ 242. SALTY ☐  
243. SULPHUR ☐ 244. MINERAL ☐  
245. FRESH ☒ 246. SALTY ☐  
247. SULPHUR ☐ 248. MINERAL ☐  
249. FRESH ☒ 250. SALTY ☐  
251. SULPHUR ☐ 252. MINERAL ☐  
253. FRESH ☒ 254. SALTY ☐  
255. SULPHUR ☐ 256. MINERAL ☐  
257. FRESH ☒ 258. SALTY ☐  
259. SULPHUR ☐ 260. MINERAL ☐  
261. FRESH ☒ 262. SALTY ☐  
263. SULPHUR ☐ 264. MINERAL ☐  
265. FRESH ☒ 266. SALTY ☐  
267. SULPHUR ☐ 268. MINERAL ☐  
269. FRESH ☒ 270. SALTY ☐  
271. SULPHUR ☐ 272. MINERAL ☐  
273. FRESH ☒ 274. SALTY ☐  
275. SULPHUR ☐ 276. MINERAL ☐  
277. FRESH ☒ 278. SALTY ☐  
279. SULPHUR ☐ 280. MINERAL ☐  
281. FRESH ☒ 282. SALTY ☐  
283. SULPHUR ☐ 284. MINERAL ☐  
285. FRESH ☒ 286. SALTY ☐  
287. SULPHUR ☐ 288. MINERAL ☐  
289. FRESH ☒ 290. SALTY ☐  
291. SULPHUR ☐ 292. MINERAL ☐  
293. FRESH ☒ 294. SALTY ☐  
295. SULPHUR ☐ 296. MINERAL ☐  
297. FRESH ☒ 298. SALTY ☐  
299. SULPHUR ☐ 300. MINERAL ☐  
301. FRESH ☒ 302. SALTY ☐  
303. SULPHUR ☐ 304. MINERAL ☐  
305. FRESH ☒ 306. SALTY ☐  
307. SULPHUR ☐ 308. MINERAL ☐  
309. FRESH ☒ 310. SALTY ☐  
311. SULPHUR ☐ 312. MINERAL ☐  
313. FRESH ☒ 314. SALTY ☐  
315. SULPHUR ☐ 316. MINERAL ☐  
317. FRESH ☒ 318. SALTY ☐  
319. SULPHUR ☐ 320. MINERAL ☐  
321. FRESH ☒ 322. SALTY ☐  
323. SULPHUR ☐ 324. MINERAL ☐  
325. FRESH ☒ 326. SALTY ☐  
327. SULPHUR ☐ 328. MINERAL ☐  
329. FRESH ☒ 330. SALTY ☐  
331. SULPHUR ☐ 332. MINERAL ☐  
333. FRESH ☒ 334. SALTY ☐  
335. SULPHUR ☐ 336. MINERAL ☐  
337. FRESH ☒ 338. SALTY ☐  
339. SULPHUR ☐ 340. MINERAL ☐  
341. FRESH ☒ 342. SALTY ☐  
343. SULPHUR ☐ 344. MINERAL ☐  
345. FRESH ☒ 346. SALTY ☐  
347. SULPHUR ☐ 348. MINERAL ☐  
349. FRESH ☒ 350. SALTY ☐  
351. SULPHUR ☐ 352. MINERAL ☐  
353. FRESH ☒ 354. SALTY ☐  
355. SULPHUR ☐ 356. MINERAL ☐  
357. FRESH ☒ 358. SALTY ☐  
359. SULPHUR ☐ 360. MINERAL ☐  
361. FRESH ☒ 362. SALTY ☐  
363. SULPHUR ☐ 364. MINERAL ☐  
365. FRESH ☒ 366. SALTY ☐  
367. SULPHUR ☐ 368. MINERAL ☐  
369. FRESH ☒ 370. SALTY ☐  
371. SULPHUR ☐ 372. MINERAL ☐  
373. FRESH ☒ 374. SALTY ☐  
375. SULPHUR ☐ 376. MINERAL ☐  
377. FRESH ☒ 378. SALTY ☐  
379. SULPHUR ☐ 380. MINERAL ☐  
381. FRESH ☒ 382. SALTY ☐  
383. SULPHUR ☐ 384. MINERAL ☐  
385. FRESH ☒ 386. SALTY ☐  
387. SULPHUR ☐ 388. MINERAL ☐  
389. FRESH ☒ 390. SALTY ☐  
391. SULPHUR ☐ 392. MINERAL ☐  
393. FRESH ☒ 394. SALTY ☐  
395. SULPHUR ☐ 396. MINERAL ☐  
397. FRESH ☒ 398. SALTY ☐  
399. SULPHUR ☐ 400. MINERAL ☐  
401. FRESH ☒ 402. SALTY ☐  
403. SULPHUR ☐ 404. MINERAL ☐  
405. FRESH ☒ 406. SALTY ☐  
407. SULPHUR ☐ 408. MINERAL ☐  
409. FRESH ☒ 410. SALTY ☐  
411. SULPHUR ☐ 412. MINERAL ☐  
413. FRESH ☒ 414. SALTY ☐  
415. SULPHUR ☐ 416. MINERAL ☐  
417. FRESH ☒ 418. SALTY ☐  
419. SULPHUR ☐ 420. MINERAL ☐  
421. FRESH ☒ 422. SALTY ☐  
423. SULPHUR ☐ 424. MINERAL ☐  
425. FRESH ☒ 426. SALTY ☐  
427. SULPHUR ☐ 428. MINERAL ☐  
429. FRESH ☒ 430. SALTY ☐  
431. SULPHUR ☐ 432. MINERAL ☐  
433. FRESH ☒ 434. SALTY ☐  
435. SULPHUR ☐ 436. MINERAL ☐  
437. FRESH ☒ 438. SALTY ☐  
439. SULPHUR ☐ 440. MINERAL ☐  
441. FRESH ☒ 442. SALTY ☐  
443. SULPHUR ☐ 444. MINERAL ☐  
445. FRESH ☒ 446. SALTY ☐  
447. SULPHUR ☐ 448. MINERAL ☐  
449. FRESH ☒ 450. SALTY ☐  
451. SULPHUR ☐ 452. MINERAL ☐  
453. FRESH ☒ 454. SALTY ☐  
455. SULPHUR ☐ 456. MINERAL ☐  
457. FRESH ☒ 458. SALTY ☐  
459. SULPHUR ☐ 460. MINERAL ☐  
461. FRESH ☒ 462. SALTY ☐  
463. SULPHUR ☐ 464. MINERAL ☐  
465. FRESH ☒ 466. SALTY ☐  
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469. FRESH ☒ 470. SALTY ☐  
471. SULPHUR ☐ 472. MINERAL ☐  
473. FRESH ☒ 474. SALTY ☐  
475. SULPHUR ☐ 476. MINERAL ☐  
477. FRESH ☒ 478. SALTY ☐  
479. SULPHUR ☐ 480. MINERAL ☐  
481. FRESH ☒ 482. SALTY ☐  
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503. SULPHUR ☐ 504. MINERAL ☐  
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513. FRESH ☒ 514. SALTY ☐  
515. SULPHUR ☐ 516. MINERAL ☐  
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521. FRESH ☒ 522. SALTY ☐  
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541. FRESH ☒ 542. SALTY ☐  
543. SULPHUR ☐ 544. MINERAL ☐  
545. FRESH ☒ 546. SALTY ☐  
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553. FRESH ☒ 554. SALTY ☐  
555. SULPHUR ☐ 556. MINERAL ☐  
557. FRESH ☒ 558. SALTY ☐  
559. SULPHUR ☐ 560. MINERAL ☐  
561. FRESH ☒ 562. SALTY ☐  
563. SULPHUR ☐ 564. MINERAL ☐  
565. FRESH ☒ 566. SALTY ☐  
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569. FRESH ☒ 570. SALTY ☐  
571. SULPHUR ☐ 572. MINERAL ☐  
573. FRESH ☒ 574. SALTY ☐  
575. SULPHUR ☐ 576. MINERAL ☐  
577. FRESH ☒ 578. SALTY ☐  
579. SULPHUR ☐ 580. MINERAL ☐  
581. FRESH ☒ 582. SALTY ☐  
583. SULPHUR ☐ 584. MINERAL ☐  
585. FRESH ☒ 586. SALTY ☐  
587. SULPHUR ☐ 588. MINERAL ☐  
589. FRESH ☒ 590. SALTY ☐  
591. SULPHUR ☐ 592. MINERAL ☐  
593. FRESH ☒ 594. SALTY ☐  
595. SULPHUR ☐ 596. MINERAL ☐  
597. FRESH ☒ 598. SALTY ☐  
599. SULPHUR ☐ 600. MINERAL ☐  
601. FRESH ☒ 602. SALTY ☐  
603. SULPHUR ☐ 604. MINERAL ☐  
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615. SULPHUR ☐ 616. MINERAL ☐  
617. FRESH ☒ 618. SALTY ☐  
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621. FRESH ☒ 622. SALTY ☐  
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625. FRESH ☒ 626. SALTY ☐  
627. SULPHUR ☐ 628. MINERAL ☐  
629. FRESH ☒ 630. SALTY ☐  
631. SULPHUR ☐ 632. MINERAL ☐  
633. FRESH ☒ 634. SALTY ☐  
635. SULPHUR ☐ 636. MINERAL ☐  
637. FRESH ☒ 638. SALTY ☐  
639. SULPHUR ☐ 640. MINERAL ☐  
641. FRESH ☒ 642. SALTY ☐  
643. SULPHUR ☐ 644. MINERAL ☐  
645. FRESH ☒ 646. SALTY ☐  
647. SULPHUR ☐ 648. MINERAL ☐  
649. FRESH ☒ 650. SALTY ☐  
651. SULPHUR ☐ 652. MINERAL ☐  
653. FRESH ☒ 654. SALTY ☐  
655. SULPHUR ☐ 656. MINERAL ☐  
657. FRESH ☒ 658. SALTY ☐  
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661. FRESH ☒ 662. SALTY ☐  
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665. FRESH ☒ 666. SALTY ☐  
667. SULPHUR ☐ 668. MINERAL ☐  
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671. SULPHUR ☐ 672. MINERAL ☐  
673. FRESH ☒ 674. SALTY ☐  
675. SULPHUR ☐ 676. MINERAL ☐  
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681. FRESH ☒ 682. SALTY ☐  
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685. FRESH ☒ 686. SALTY ☐  
687. SULPHUR ☐ 688. MINERAL ☐  
689. FRESH ☒ 690. SALTY ☐  
691. SULPHUR ☐ 692. MINERAL ☐  
693. FRESH ☒ 694. SALTY ☐  
695. SULPHUR ☐ 696. MINERAL ☐  
697. FRESH ☒ 698. SALTY ☐  
699. SULPHUR ☐ 700. MINERAL ☐  
701. FRESH ☒ 702. SALTY ☐  
703. SULPHUR ☐ 704. MINERAL ☐  
705. FRESH ☒ 706. SALTY ☐  
707. SULPHUR ☐ 708. MINERAL ☐  
709. FRESH ☒ 710. SALTY ☐  
711. SULPHUR ☐ 712. MINERAL ☐  
713. FRESH ☒ 714. SALTY ☐  
715. SULPHUR ☐ 716. MINERAL ☐  
717. FRESH ☒ 718. SALTY ☐  
719. SULPHUR ☐ 720. MINERAL ☐  
721. FRESH ☒ 722. SALTY ☐  
723. SULPHUR ☐ 724. MINERAL ☐  
725. FRESH ☒ 726. SALTY ☐  
727. SULPHUR ☐ 728. MINERAL ☐  
729. FRESH ☒ 730. SALTY ☐  
731. SULPHUR ☐ 732. MINERAL ☐  
733. FRESH ☒ 734. SALTY ☐  
735. SULPHUR ☐ 736. MINERAL ☐  
737. FRESH ☒ 738. SALTY ☐  
739. SULPHUR ☐ 740. MINERAL ☐  
741. FRESH ☒ 742. SALTY ☐  
743. SULPHUR ☐ 744. MINERAL ☐  
745. FRESH ☒ 746. SALTY ☐  
747. SULPHUR ☐ 748. MINERAL ☐  
749. FRESH ☒ 750. SALTY ☐  
751. SULPHUR ☐ 752. MINERAL ☐  
753. FRESH ☒ 754. SALTY ☐  
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757. FRESH ☒ 758. SALTY ☐  
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761. FRESH ☒ 762. SALTY ☐  
763. SULPHUR ☐ 764. MINERAL ☐  
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767. SULPHUR ☐ 768. MINERAL ☐  
769. FRESH ☒ 770. SALTY ☐  
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773. FRESH ☒ 774. SALTY ☐  
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781. FRESH ☒ 782. SALTY ☐  
783. SULPHUR ☐ 784. MINERAL ☐  
785. FRESH ☒ 786. SALTY ☐  
787. SULPHUR ☐ 788. MINERAL ☐  
789. FRESH ☒ 790. SALTY ☐  
791. SULPHUR ☐ 792. MINERAL ☐  
793. FRESH ☒ 794. SALTY ☐  
795. SULPHUR ☐ 796. MINERAL ☐  
797. FRESH ☒ 798. SALTY ☐  
799. SULPHUR ☐ 800. MINERAL ☐  
801. FRESH ☒ 802. SALTY ☐  
803. SULPHUR ☐ 804. MINERAL ☐  
805. FRESH ☒ 806. SALTY ☐  
807. SULPHUR ☐ 808. MINERAL ☐  
809. FRESH ☒ 810. SALTY ☐  
811. SULPHUR ☐ 812. MINERAL ☐  
813. FRESH ☒ 814. SALTY ☐  
815. SULPHUR ☐ 816. MINERAL ☐  
817. FRESH ☒ 818. SALTY ☐  
819. SULPHUR ☐ 820. MINERAL ☐  
821. FRESH ☒ 822. SALTY ☐  
823. SULPHUR ☐ 824. MINERAL ☐  
825. FRESH ☒ 826. SALTY ☐  
827. SULPHUR ☐ 828. MINERAL ☐  
829. FRESH ☒ 830. SALTY ☐  
831. SULPHUR ☐ 832. MINERAL ☐  
833. FRESH ☒ 834. SALTY ☐  
835. SULPHUR ☐ 836. MINERAL ☐  
837. FRESH ☒ 838. SALTY ☐  
839. SULPHUR ☐ 840. MINERAL <







# WATER WELL RECORD

4830m/5d

Ontario

1 PRINT ONLY IN SPACES PROVIDED  
2 CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

6809486

68006

CON

104

|                                                                          |                                        |                                    |
|--------------------------------------------------------------------------|----------------------------------------|------------------------------------|
| COUNTY OR DISTRICT<br><b>WENTWORTH</b>                                   | TOWNSHIP<br><b>WEST FLAMBOROUGH IV</b> | CON. BLOCK<br><b>104</b>           |
| OWNER (SURNAME FIRST)<br><b>VANHOEVE CONSTRUCTION R.R. #1 MILL GROVE</b> | ADDRESS<br><b>11 MILL GROVE</b>        | DATE COMPLETED<br><b>08 AUG 76</b> |
| ZONE<br><b>1.2</b>                                                       | EASTING<br><b>584520</b>               | NORTHING<br><b>4797980</b>         |
| ELEVATION<br><b>4</b>                                                    | BASIN CODE<br><b>24</b>                |                                    |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |    |
|----------------|----------------------|-----------------|---------------------|--------------|----|
|                |                      |                 |                     | FROM         | TO |
| BROWN          | CLAY                 |                 |                     | 0            | 18 |
| BROWN          | SAND                 |                 |                     | 18           | 68 |
|                |                      | FINE GRAVEL     |                     | 68           | 70 |

|    |         |         |        |
|----|---------|---------|--------|
| 31 | 0018605 | 0068628 | 007929 |
| 32 |         |         |        |

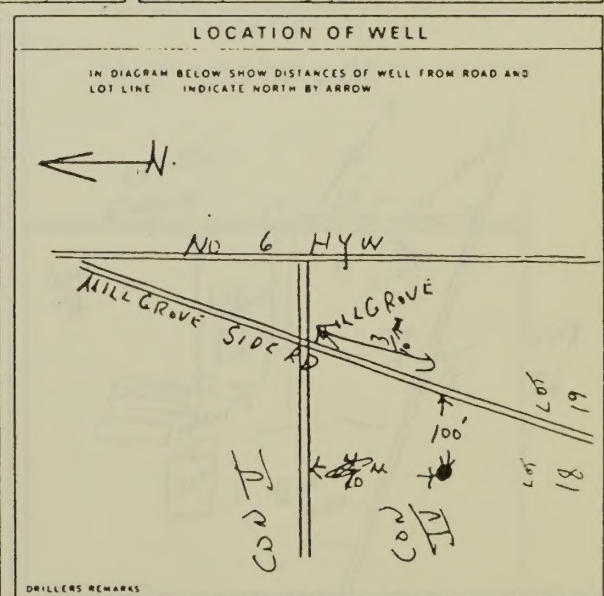
| WATER RECORD          |                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| WATER FOUND AT - FEET | KIND OF WATER                                                                                                                                            |
| 0070                  | <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input checked="" type="checkbox"/> SALTY <input type="checkbox"/> MINERAL |
|                       | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL                       |
|                       | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL                       |
|                       | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL                       |

| CASING & OPEN HOLE RECORD |                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WELL DIA. INCHES          | MATERIAL                                                                                                                                                    |
| 06 10 11 64               | <input checked="" type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE |
|                           | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE            |
|                           | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE            |

| SCREEN                              |                                   |
|-------------------------------------|-----------------------------------|
| SIZE - 1/2" OF OPENING (SLOT) NO. 1 | DIAMETER 31-33 INCHES             |
|                                     | LENGTH 34-40 FEET                 |
| MATERIAL AND TYPE                   | DEPTH TO TOP OF SCREEN 41-48 FEET |

| PLUGGING & SEALING RECORD |                   |
|---------------------------|-------------------|
| DEPTH SET AT FEET         | MATERIAL AND TYPE |
| 10-13                     | W-17              |
| 10-21                     | 22-25             |
| 26-28                     | 30-32 80          |

| PUMPING TEST                                                                                       |                                         |
|----------------------------------------------------------------------------------------------------|-----------------------------------------|
| PUMPING TEST METHOD<br><input type="checkbox"/> PUMP <input checked="" type="checkbox"/> BAILEY    | PUMPING RATE<br>0025 GPM                |
| STATIC LEVEL<br>020 FEET                                                                           | WATER LEVELS DURING PUMPING<br>020 FEET |
| RECOMMENDED PUMP TYPE<br><input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP | RECOMMENDED PUMP SETTING<br>065 FEET    |



|                                                                                                                                                                                                       |                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL STATUS OF WELL<br><input checked="" type="checkbox"/> WATER SUPPLY<br><input type="checkbox"/> OBSERVATION WELL<br><input type="checkbox"/> TEST HOLE<br><input type="checkbox"/> RECHARGE WELL | <input type="checkbox"/> ABANDONED - INSUFFICIENT SUPPLY<br><input type="checkbox"/> ABANDONED - POOR QUALITY<br><input type="checkbox"/> UNFINISHED                                                                              |
| WATER USE<br>01                                                                                                                                                                                       | <input checked="" type="checkbox"/> DOMESTIC<br><input type="checkbox"/> STOCK<br><input type="checkbox"/> IRRIGATION<br><input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER                                    |
| METHOD OF DRILLING<br>1                                                                                                                                                                               | <input checked="" type="checkbox"/> CABLE TOOL<br><input type="checkbox"/> ROTARY (CONVENTIONAL)<br><input type="checkbox"/> ROTARY (REVERSE)<br><input type="checkbox"/> ROTARY (AIR)<br><input type="checkbox"/> AIR PERCUSSION |

|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| NAME OF WELL CONTRACTOR<br><b>CROSS BROS.</b>   | LICENCE NUMBER<br><b>1620</b>       |
| ADDRESS<br><b>38 KENNEDY AVE. HAMILTON</b>      |                                     |
| NAME OF DRILLER OR BORER<br><b>ARTHUR CROSS</b> | LICENCE NUMBER<br><b>1620</b>       |
| SIGNATURE OF CONTRACTOR<br><b>Howard Cross</b>  | SUBMISSION DATE<br><b>30 AUG 76</b> |

|                                       |                           |                                |
|---------------------------------------|---------------------------|--------------------------------|
| DATE SOURCE<br><b>1</b>               | CONTRACTOR<br><b>1620</b> | DATE RECEIVED<br><b>251176</b> |
| DATE OF INSPECTION<br><b>Aug 4/77</b> | INSPECTION<br><b>MT</b>   |                                |
| REMARKS                               |                           |                                |







# WATER WELL RECORD

WELL NO. \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

LOCATION \_\_\_\_\_

DEPTH \_\_\_\_\_

DIAMETER \_\_\_\_\_

TYPE \_\_\_\_\_

STATUS \_\_\_\_\_

REMARKS \_\_\_\_\_

TESTER \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

LOCATION \_\_\_\_\_

DEPTH \_\_\_\_\_

DIAMETER \_\_\_\_\_

TYPE \_\_\_\_\_

STATUS \_\_\_\_\_

REMARKS \_\_\_\_\_

TESTER \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

LOCATION \_\_\_\_\_

DEPTH \_\_\_\_\_

DIAMETER \_\_\_\_\_

TYPE \_\_\_\_\_

STATUS \_\_\_\_\_

REMARKS \_\_\_\_\_

TESTER \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

LOCATION \_\_\_\_\_

DEPTH \_\_\_\_\_

DIAMETER \_\_\_\_\_

TYPE \_\_\_\_\_

STATUS \_\_\_\_\_

REMARKS \_\_\_\_\_

TESTER \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_

LOCATION \_\_\_\_\_

DEPTH \_\_\_\_\_

DIAMETER \_\_\_\_\_

TYPE \_\_\_\_\_

STATUS \_\_\_\_\_

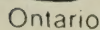
REMARKS \_\_\_\_\_

TESTER \_\_\_\_\_

DATE \_\_\_\_\_

TIME \_\_\_\_\_





30M/5d

6809629

809

105

68.996

CON

105

|                       |  |                      |  |         |  |         |  |          |  |         |  |       |  |          |  |         |  |       |  |          |  |         |  |       |  |
|-----------------------|--|----------------------|--|---------|--|---------|--|----------|--|---------|--|-------|--|----------|--|---------|--|-------|--|----------|--|---------|--|-------|--|
| COUNTY OR DISTRICT    |  | TOWNSHIP             |  | SECTION |  | RANGE   |  | TOWNSHIP |  | SECTION |  | RANGE |  | TOWNSHIP |  | SECTION |  | RANGE |  | TOWNSHIP |  | SECTION |  | RANGE |  |
| WINT WORTH            |  | W. FLAMBARO          |  | V       |  |         |  |          |  |         |  |       |  |          |  |         |  |       |  |          |  |         |  |       |  |
| OWNER - SURNAME FIRST |  | ADDRESS              |  |         |  |         |  |          |  |         |  |       |  |          |  |         |  |       |  |          |  |         |  |       |  |
| VERHEEVEN             |  | 4123 UPPER MIDDLE RD |  |         |  |         |  |          |  |         |  |       |  |          |  |         |  |       |  |          |  |         |  |       |  |
| 21                    |  | 17                   |  | 584760  |  | 4798700 |  | 4        |  | 0828    |  | 4     |  | 24       |  |         |  |       |  |          |  |         |  |       |  |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

|    |            |         |         |  |  |  |  |
|----|------------|---------|---------|--|--|--|--|
| 31 | 0005 02181 | 0058 08 | 0059 15 |  |  |  |  |
| 32 |            |         |         |  |  |  |  |

| 41                    |   | WATER RECORD                              |   |                                  |    |
|-----------------------|---|-------------------------------------------|---|----------------------------------|----|
| WATER FOUND AT - FEET |   | KIND OF WATER                             |   |                                  |    |
| 00-10                 | 1 | <input checked="" type="checkbox"/> FRESH | 3 | <input type="checkbox"/> SULPHUR | 14 |
|                       | 2 | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |    |
| 10-16                 | 1 | <input type="checkbox"/> FRESH            | 3 | <input type="checkbox"/> SULPHUR | 19 |
|                       | 2 | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |    |
| 20-23                 | 1 | <input type="checkbox"/> FRESH            | 3 | <input type="checkbox"/> SULPHUR | 24 |
|                       | 2 | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |    |
| 25-26                 | 1 | <input type="checkbox"/> FRESH            | 3 | <input type="checkbox"/> SULPHUR | 28 |
|                       | 2 | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |    |
| 30-33                 | 1 | <input type="checkbox"/> FRESH            | 3 | <input type="checkbox"/> SULPHUR | 34 |
|                       | 2 | <input type="checkbox"/> SALTY            | 4 | <input type="checkbox"/> MINERAL |    |

| 51              |                                             | CASING & OPEN HOLE RECORD |       | 43   |       |
|-----------------|---------------------------------------------|---------------------------|-------|------|-------|
| INSIDE<br>DIAM. | MATERIAL                                    | WELL<br>THICKNESS         | DEPTH | FEET |       |
|                 |                                             |                           |       | 100  | 10    |
| 10-11           | 1 <input checked="" type="checkbox"/> STEEL | 12                        |       | 0058 |       |
|                 | 2 <input type="checkbox"/> GALVANIZED       |                           | 188   | 0    | 58    |
|                 | 3 <input type="checkbox"/> CONCRETE         |                           |       |      |       |
|                 | 4 <input type="checkbox"/> OPEN HOLE        |                           |       |      |       |
| 11-12           | 1 <input type="checkbox"/> STEEL            | 16                        |       |      | 20-21 |
|                 | 2 <input type="checkbox"/> GALVANIZED       |                           |       |      |       |
|                 | 3 <input type="checkbox"/> CONCRETE         |                           |       |      |       |
|                 | 4 <input type="checkbox"/> OPEN HOLE        |                           |       |      |       |
| 24-25           | 1 <input type="checkbox"/> STEEL            | 24                        |       |      | 27-28 |
|                 | 2 <input type="checkbox"/> GALVANIZED       |                           |       |      |       |
|                 | 3 <input type="checkbox"/> CONCRETE         |                           |       |      |       |
|                 | 4 <input type="checkbox"/> OPEN HOLE        |                           |       |      |       |

| 14                 | 15    | 16           | 17    | 18     |
|--------------------|-------|--------------|-------|--------|
| 15-26.5 OF OPENING | 31.33 | DIMENSION    | 34.38 | LENGTH |
| SLUT NO. 1         |       |              |       | 19.40  |
|                    |       |              | 46.65 | FEET   |
| MATERIAL AND TYPE  |       | DIRTY 12 TOP |       |        |
|                    |       | OF 14.6 IN   | 41.64 | FEET   |

| 61    |        | PLUGGING & SEALING RECORD |                |
|-------|--------|---------------------------|----------------|
| DATE  | SET AT | FEET                      | WATER AND TAPE |
| 10-13 |        | 10-17                     |                |
| 10-21 |        | 22-25                     |                |
| 11-20 |        | 10-33-40                  |                |

|                                                                           |                                                                          |                             |                         |                                                                           |                                                                                  |  |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------|-------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------|--|
| PUMPING TEST                                                              | PUMPING TEST METHOD                                                      |                             | 10. PUMPING RATE        |                                                                           | 15.10 DUMP UN OF PUMP IN                                                         |  |
|                                                                           | <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> HAULER |                             | 0020                    |                                                                           | 15.10 00 17.10<br>(HOURS)                                                        |  |
|                                                                           | STATIC LEVEL                                                             |                             | 25. WATER LEVELS DURING |                                                                           | <input type="checkbox"/> PUMPING<br><input checked="" type="checkbox"/> RECOVERY |  |
|                                                                           | 10-21 22-24 25-MINUTES 30-MINUTES 45-MINUTES 60-MINUTES                  |                             | 20-28 29-31 32-34 35-37 |                                                                           |                                                                                  |  |
|                                                                           | 220 FEET 230 FEET 220 FEET 220 FEET 220 FEET 220 FEET                    |                             |                         |                                                                           |                                                                                  |  |
| IF FLOWING GIVE RATE                                                      |                                                                          | 30-41 PUMP INTAKE SET AT    |                         | WATER AT END OF TEST                                                      |                                                                                  |  |
| GPM                                                                       |                                                                          | FEET                        |                         | <input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> CLOUDY |                                                                                  |  |
| RECOMMENDED PUMP TYPE                                                     |                                                                          | RECOMMENDED PUMP SETTING    |                         | 43-45 RECOMMENDED PUMPING RATE                                            |                                                                                  |  |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP |                                                                          | 050 FEET                    |                         | 0015 GPM                                                                  |                                                                                  |  |
| 50-53                                                                     |                                                                          | GPM / FT. SPECIFIC CAPACITY |                         |                                                                           |                                                                                  |  |

|                                    |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                            |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 54<br>FINAL<br>STATUS<br>OF WELL 1 | 1 <input checked="" type="checkbox"/> WATER SUPPLY<br>4 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                                         | 8 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                                     |
| 55-56<br>WATER<br>USE 01           | 1 <input checked="" type="checkbox"/> DOMESTIC<br>1 <input type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER _____                                  | 5 <input type="checkbox"/> COMMERCIAL<br>4 <input type="checkbox"/> MUNICIPAL<br>7 <input type="checkbox"/> PUBLIC SUPPLY<br>6 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br><input type="checkbox"/> NOT LISTED |
| 57<br>METHOD<br>OF<br>DRILLING 1   | 1 <input checked="" type="checkbox"/> CABLE TOOL ?<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>6 <input type="checkbox"/> AIR PERCUSSION | 5 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAPHHRAM<br>3 <input type="checkbox"/> JETTING<br>4 <input type="checkbox"/> DRIVING                                                                      |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

145' 1/2

MILL GROVE SIDE RD

25'

BINKLEY COURT

150'

N

FREETON

|            |                         |                |                |          |
|------------|-------------------------|----------------|----------------|----------|
| CONTRACTOR | NAME OF WELL CONTRACTOR | CRUSS, BROS    | LICENSE NUMBER | 1620     |
|            | ADDRESS                 | 38 KENNEDY AVE | HAMILTON       |          |
|            | NAME OF DRILLER OR BORE | ARTHUR CRUSS   | LICENSE NUMBER | 1620     |
|            | SIGNATURE OF CONTRACTOR | Howard         | DATE           | MAY 1971 |

|                 |                    |      |            |            |               |        |       |    |
|-----------------|--------------------|------|------------|------------|---------------|--------|-------|----|
| OFFICE USE ONLY | DATA SOURCE        | 1    | CONTRACTOR | 1620       | DATE RECEIVED | 160877 | 43 43 | 40 |
|                 | DATE OF INSPECTION | 3/78 |            | INSPECTION | 3/            |        |       |    |
|                 | REMARKS            |      |            |            |               |        | P     |    |
|                 |                    |      |            |            |               |        | WI    |    |





Ontario

892

1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

6809711

68.006

CON

105

|                                                            |  |                                                     |  |                                        |  |                          |  |
|------------------------------------------------------------|--|-----------------------------------------------------|--|----------------------------------------|--|--------------------------|--|
| COUNTY OR DISTRICT<br>WENTWORTH                            |  | TOWNSHIP BOROUGH CITY TOWN VILLAGE<br>WEST FLAMBORO |  | CON. BLOCK TRACT SURVEY ETC.<br>CON. 5 |  | 018                      |  |
| OWNER (SURNAME FIRST)<br>VERWAY BUSTY <del>(BUILDER)</del> |  | ADDRESS<br>CARLISLE P.O. ONT.                       |  | DATE COMPLETED<br>DAY 15 MO 12 . 77    |  |                          |  |
| TAXES<br>17                                                |  | EASTING<br>584160                                   |  | NORTHING<br>47799240                   |  | ELEVATION<br>4 0862 4 24 |  |

| LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) |                       |                 |                     |              |       |
|------------------------------------------------------------|-----------------------|-----------------|---------------------|--------------|-------|
| GENERAL COLOUR                                             | MOST COMMON MATERIAL  | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |       |
|                                                            |                       |                 |                     | FROM         | TO    |
| BROWN                                                      | SANDY CLAY            |                 | LOOSE               | 0            | 10    |
| BROWN                                                      | SANDY CLAY & BOULDERS |                 | LOOSE               | 10           | 16 13 |
| BROWN                                                      | SAND                  |                 | LOOSE & RUNNY       | 13           | 55    |
| BROWN                                                      | SANDY CLAY            |                 | LOOSE               | 55           | 84    |
| GREY                                                       | CLAY                  |                 | LOOSE               | 84           | 89    |
| BROWN                                                      | SAND & GRAVEL         |                 | LOOSE               | 89           | 94    |
| GREY                                                       | LIMESTONE             |                 | HARD                | 94           | 100   |
|                                                            |                       |                 |                     |              |       |
|                                                            |                       |                 |                     |              |       |
|                                                            |                       |                 |                     |              |       |
|                                                            |                       |                 |                     |              |       |
|                                                            |                       |                 |                     |              |       |

|    |             |             |           |             |           |             |   |
|----|-------------|-------------|-----------|-------------|-----------|-------------|---|
| 31 | 00106058177 | 00136051381 | 005502877 | 00846058177 | 008920577 | 00946381177 | ✓ |
| 32 | 010021573   |             |           |             |           |             |   |

| <div>41</div> <div>WATER RECORD</div> <table border="1"> <tr> <th>WATER FOUND AT - FEET</th> <th>KIND OF WATER</th> </tr> <tr> <td>0097</td> <td> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> </td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | WATER FOUND AT - FEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | KIND OF WATER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0097 | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> | <div>51</div> <div>CASING &amp; OPEN HOLE RECORD</div> <table border="1"> <tr> <th>INSIDE DIA INCHES</th> <th>MATERIAL</th> <th>WALL THICKNESS INCHES</th> <th>DEPTH FEET</th> </tr> <tr> <td>06</td> <td> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> </td> <td> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> </td> <td> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> </td> </tr> </table> |  | INSIDE DIA INCHES | MATERIAL | WALL THICKNESS INCHES | DEPTH FEET | 06 | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> | <div>61</div> <div>PLUGGING &amp; SEALING RECORD</div> <table border="1"> <tr> <th>SCREEN</th> <th>SIZE OF OPENING SLOT NO.</th> <th>DIA INCHES</th> <th>LENGTH FEET</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> |  | SCREEN | SIZE OF OPENING SLOT NO. | DIA INCHES | LENGTH FEET |  |  |  |  |
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| WATER FOUND AT - FEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | KIND OF WATER                                                                                                                              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| 0097                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> 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| INSIDE DIA INCHES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WALL THICKNESS INCHES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DEPTH FEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                        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                                                                                                           |                                                                                                                                                                                                                                             |  |        |                          |            |             |  |  |  |  |
| 06                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> | <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> <div>45</div> <div>46</div> <div>47</div> <div>48</div> <div>49</div> <div>50</div> |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                   |          |                       |            |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |  |        |                          |            |             |  |  |  |  |
| SCREEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SIZE OF OPENING SLOT NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DIA INCHES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LENGTH FEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                            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            |            |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |  |        |                          |            |             |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                   |          |                       |            |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |  |        |                          |            |             |  |  |  |  |

|                                                                               |                                                                              |                          |                        |                                                                               |                                                                                              |  |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------|------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|
| PUMPING TEST                                                                  | PUMPING TEST METHOD                                                          |                          | 16 PUMPING RATE        |                                                                               | 11-18 DURATION OF PUMPING                                                                    |  |
|                                                                               | 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER |                          | 0015                   |                                                                               | CPW 02 15-18 HOURS 00 17-18 HOURS                                                            |  |
|                                                                               | STATIC LEVEL                                                                 |                          | 23 WATER LEVELS DURING |                                                                               | 1 <input checked="" type="checkbox"/> PUMPING 2 <input checked="" type="checkbox"/> RECOVERY |  |
|                                                                               | 19-21 038                                                                    |                          | 22-24 048              |                                                                               | 25-27 038                                                                                    |  |
|                                                                               | FEET                                                                         |                          | FEET                   |                                                                               | FEET                                                                                         |  |
| IF FLOWING GIVE RATE                                                          |                                                                              | 34-41 PUMP INTAKE SET AT |                        | 42 WATER AT END OF TEST                                                       |                                                                                              |  |
| CPW                                                                           |                                                                              | FEET                     |                        | 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY |                                                                                              |  |
| RECOMMENDED PUMP TYPE                                                         |                                                                              | RECOMMENDED PUMP SETTING |                        | RECOMMENDED PUMPING RATE                                                      |                                                                                              |  |
| 1 <input type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP |                                                                              | 085                      |                        | 0010                                                                          |                                                                                              |  |
| 50-55                                                                         |                                                                              | FEET                     |                        | CPW                                                                           |                                                                                              |  |

|                            |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL<br>STATUS<br>OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY<br>2 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WALL                                                       | 5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                                   |
| WATER<br>USE               | 1 <input checked="" type="checkbox"/> DOMESTIC<br>2 <input type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER                                      | 5 <input type="checkbox"/> COMMERCIAL<br>6 <input type="checkbox"/> MUNICIPAL<br>7 <input type="checkbox"/> PUBLIC SUPPLY<br>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br><input type="checkbox"/> NOT USED |
| METHOD<br>OF<br>DRILLING   | 1 <input checked="" type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAMOND<br>8 <input type="checkbox"/> JETTING<br>9 <input type="checkbox"/> DRIVING                                                                      |

|            |                                                         |  |                             |
|------------|---------------------------------------------------------|--|-----------------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br>O'CONNOR WELLS DRILLING LTD. |  | LICENCE NUMBER<br>4005      |
|            | ADDRESS<br>RR # 1 MILL GROVE ONT. LOR IVO               |  |                             |
|            | NAME OF WELLS CONTRACTOR<br>W. MOSE                     |  | LICENCE NUMBER              |
|            | SIGNATURE OF CONTRACTOR<br><i>W. Mose</i>               |  | SUBMISSION DATE             |
|            |                                                         |  | DAY _____ MO _____ YE _____ |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

WELL

20'

1.25 MI

10'

CON & E.S.

HWY #6

MILG CREEK

CON'S W.F.

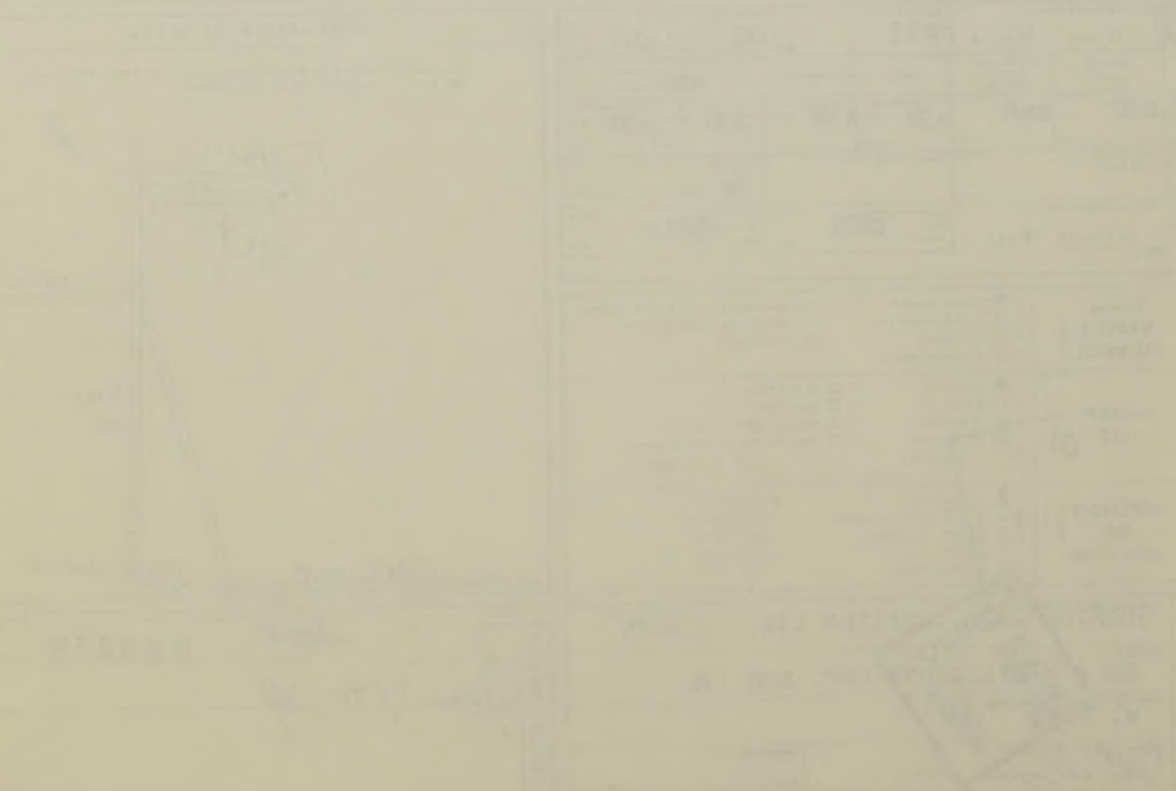
DRAWN BY [illegible]

|                 |                    |            |               |       |
|-----------------|--------------------|------------|---------------|-------|
| OFFICE USE ONLY | DATA SOURCE        | CONNECTION | DATE RECEIVED | 93-68 |
|                 | 1                  | 4005       | 090278        |       |
|                 | DATE OF INSPECTION | INSPECTION |               |       |
|                 | June 3/78          | EA         |               |       |
|                 | REMARKS            |            |               |       |

WELL NO. 1  
DATE OF RECORD  
WELL DEPTH  
WELL LOCATION  
WELL OWNER  
WELL PURPOSE

| DATE | TIME  | WELL DEPTH | WELL LOCATION | WELL OWNER | WELL PURPOSE |
|------|-------|------------|---------------|------------|--------------|
| 1900 | 10:00 | 100        | 100           | 100        | 100          |
| 1901 | 11:00 | 110        | 110           | 110        | 110          |
| 1902 | 12:00 | 120        | 120           | 120        | 120          |
| 1903 | 13:00 | 130        | 130           | 130        | 130          |
| 1904 | 14:00 | 140        | 140           | 140        | 140          |
| 1905 | 15:00 | 150        | 150           | 150        | 150          |
| 1906 | 16:00 | 160        | 160           | 160        | 160          |
| 1907 | 17:00 | 170        | 170           | 170        | 170          |
| 1908 | 18:00 | 180        | 180           | 180        | 180          |
| 1909 | 19:00 | 190        | 190           | 190        | 190          |
| 1910 | 20:00 | 200        | 200           | 200        | 200          |
| 1911 | 21:00 | 210        | 210           | 210        | 210          |
| 1912 | 22:00 | 220        | 220           | 220        | 220          |
| 1913 | 23:00 | 230        | 230           | 230        | 230          |
| 1914 | 24:00 | 240        | 240           | 240        | 240          |
| 1915 | 25:00 | 250        | 250           | 250        | 250          |
| 1916 | 26:00 | 260        | 260           | 260        | 260          |
| 1917 | 27:00 | 270        | 270           | 270        | 270          |
| 1918 | 28:00 | 280        | 280           | 280        | 280          |
| 1919 | 29:00 | 290        | 290           | 290        | 290          |
| 1920 | 30:00 | 300        | 300           | 300        | 300          |

WELL DEPTH  
WELL LOCATION  
WELL OWNER  
WELL PURPOSE







Ministry  
of the  
Environment

Ontario

The Ontario Water Resources Act

# WATER WELL RECORD

6810179

68006

CAN

05

53/80

1 PRINT ONLY IN SPACES PROVIDED

2 CHECK (X) CORRECT BOX WHERE APPLICABLE

11

|                                                     |                                                          |                 |                                    |
|-----------------------------------------------------|----------------------------------------------------------|-----------------|------------------------------------|
| COUNTY OR DISTRICT<br><b>Hamilton-Wentworth</b>     | TOWN OR VILLAGE<br><b>Flamborough (West Flamborough)</b> | LOT<br><b>5</b> | DATE COMPLETED<br><b>01 Dec 80</b> |
| OWNER (SURNAME FIRST)<br><b>Duncan Farm Estates</b> | ADDRESS<br><b>Milgrove, Ont. (SALES OFFICE)</b>          |                 |                                    |

|                       |                          |                            |                |                          |                        |
|-----------------------|--------------------------|----------------------------|----------------|--------------------------|------------------------|
| ZONE<br><b>(2) 17</b> | EASTING<br><b>584400</b> | NORTHING<br><b>4798680</b> | AC<br><b>4</b> | ELEVATION<br><b>0830</b> | BASE CODE<br><b>24</b> |
|-----------------------|--------------------------|----------------------------|----------------|--------------------------|------------------------|

| LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) |                      |                 |              |    |
|------------------------------------------------------------|----------------------|-----------------|--------------|----|
| GENERAL COLOUR                                             | MOST COMMON MATERIAL | OTHER MATERIALS | DEPTH - FEET |    |
|                                                            |                      |                 | FROM         | TO |
|                                                            | Top Soil             |                 | 0            | 2  |
| Brown                                                      | Clay Sand            |                 | 2            | 32 |
| Brown                                                      | Gravel               | Sand Clay       | 32           | 61 |
| Grey                                                       | Clay                 |                 | 61           | 72 |
| Grey                                                       | Rock                 |                 | 72           | 89 |
| Total Depth                                                |                      |                 | 89           |    |

|    |         |           |             |          |             |
|----|---------|-----------|-------------|----------|-------------|
| 31 | 0002 b2 | 003260528 | 00416112805 | 00791205 | Well #11/80 |
| 32 |         |           |             |          |             |

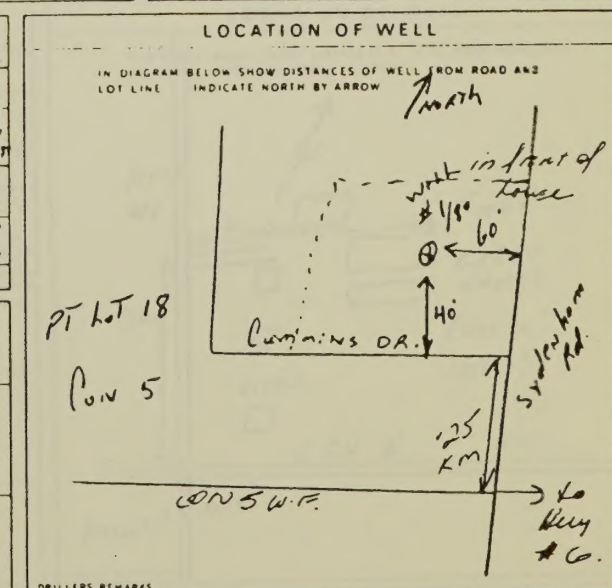
| WATER RECORD                                       |                                                                                                                                                                |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WATER FOUND AT FEET<br><b>0087</b><br><b>87-89</b> | KIND OF WATER<br><input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL |
| 15-18                                              | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL                             |
| 20-23                                              | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL                             |
| 25-28                                              | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL                             |
| 30-33                                              | <input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL                             |

| CASING & OPEN HOLE RECORD             |                                       |
|---------------------------------------|---------------------------------------|
| WATER LEVEL<br><b>06</b><br><b>64</b> | WATER LEVEL<br><b>06</b><br><b>64</b> |
| WATER LEVEL<br><b>06</b><br><b>64</b> | WATER LEVEL<br><b>06</b><br><b>64</b> |
| WATER LEVEL<br><b>06</b><br><b>64</b> | WATER LEVEL<br><b>06</b><br><b>64</b> |
| WATER LEVEL<br><b>06</b><br><b>64</b> | WATER LEVEL<br><b>06</b><br><b>64</b> |

| SCREEN | SIZE OF OPENING<br>INCHES | DIAMETER<br>INCHES | LENGTH<br>FEET |
|--------|---------------------------|--------------------|----------------|
|        |                           |                    |                |

| PLUGGING & SEALING RECORD            |                                  |
|--------------------------------------|----------------------------------|
| DEPTH - FEET AT FEET<br><b>10-13</b> | MATERIAL AND TYPE<br><b>0089</b> |
| 14-17                                |                                  |
| 18-21                                |                                  |
| 22-25                                |                                  |
| 26-29                                |                                  |

| PUMPING TEST METHOD                                                      |                                   | PUMPING RATE | DURATION OF PUMPING |
|--------------------------------------------------------------------------|-----------------------------------|--------------|---------------------|
| <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> RAILER |                                   | <b>0025</b>  | <b>84</b> <b>30</b> |
| STATIC LEVEL<br><b>019</b>                                               | WATER LEVELS DURING<br><b>019</b> |              |                     |
| 15-18                                                                    | 15 MINUTES<br><b>019</b>          |              |                     |
| 20-23                                                                    | 20 MINUTES<br><b>019</b>          |              |                     |
| 25-28                                                                    | 25 MINUTES<br><b>019</b>          |              |                     |
| 30-33                                                                    | 30 MINUTES<br><b>019</b>          |              |                     |



| FINAL STATUS OF WELL                                                                                                                                                          |                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> WATER SUPPLY<br><input type="checkbox"/> OBSERVATION WELL<br><input type="checkbox"/> TEST HOLE<br><input type="checkbox"/> RECHARGE WELL | <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br><input type="checkbox"/> ABANDONED POOR QUALITY<br><input type="checkbox"/> UNFINISHED                                                                                  |
| WATER USE<br><b>01</b>                                                                                                                                                        | <input checked="" type="checkbox"/> DOMESTIC<br><input type="checkbox"/> STOCK<br><input type="checkbox"/> IRRIGATION<br><input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER                                    |
| METHOD OF DRILLING<br><b>2</b>                                                                                                                                                | <input type="checkbox"/> CABLE TOOL<br><input checked="" type="checkbox"/> ROTARY (CONVENTIONAL)<br><input type="checkbox"/> ROTARY (REVERSE)<br><input type="checkbox"/> ROTARY (AIR)<br><input type="checkbox"/> AIR PERCUSSION |

|                                                             |                                     |
|-------------------------------------------------------------|-------------------------------------|
| NAME OF WELL CONTRACTOR<br><b>Graham Well Drilling Ltd.</b> | LICENCE NUMBER<br><b>2336</b>       |
| ADDRESS<br><b>Guelph, Ontario</b>                           |                                     |
| NAME OF DRILLER OR BORER<br><b>A. Stewart</b>               | LICENCE NUMBER                      |
| SIGNATURE OF CONTRACTOR<br><b>A. Stewart</b>                | SUBMISSION DATE<br><b>31 Dec 80</b> |

|                         |                           |                                |
|-------------------------|---------------------------|--------------------------------|
| DATA SOURCE<br><b>1</b> | CONTRACTOR<br><b>2336</b> | DATE RECEIVED<br><b>151280</b> |
| DATE OF INSPECTION      | INSPECTOR                 |                                |
| REMARKS                 |                           |                                |

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506-8-77 FORM 7







The Ontario Water Resources Act 201-1-10-10

106

| TIME | FASTING | NORMING | BC      | ELEVATION | BC   | MAIN CODE | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|------|---------|---------|---------|-----------|------|-----------|----|----|----|----|----|----|----|----|----|
| (29) | 17      | 5842220 | 4799440 | 48        | 0865 | 44        | 24 |    |    |    |    |    |    |    |    |

32

| 61           |         | PLUGGING & SEALING RECORD |                                    |
|--------------|---------|---------------------------|------------------------------------|
| DEPTH - FEET |         | MATERIAL AND TYPE         | CURRENT SPUG-<br>LEND PACKER, ETC. |
| 10 - 12      | 10      |                           |                                    |
| 10 - 21      | 22 - 25 |                           |                                    |
| 24 - 25      | 30 - 33 | 00                        |                                    |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINES

INDICATE NORTH BY ARROW

Hwy #6

3km

145 mtrs

WELL

GREEN HOUSES

CON. 6

LOT 13

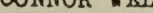
PIZZA

CON. 6

MILLGROVE

DRILLERS ROAD

|                            |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL<br>STATUS<br>OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY<br>2 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                            | 5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                                   |
| WATER<br>USE               | 1 <input type="checkbox"/> DOMESTIC<br>2 <input type="checkbox"/> STOCK<br>3 <input checked="" type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER _____                     | 5 <input type="checkbox"/> COMMERCIAL<br>6 <input type="checkbox"/> MUNICIPAL<br>7 <input type="checkbox"/> PUBLIC SUPPLY<br>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br><input type="checkbox"/> NOT USED |
| METHOD<br>OF<br>DRILLING   | 1 <input type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAMOND<br>8 <input type="checkbox"/> JETTING<br>9 <input type="checkbox"/> DRIVING                                                                      |

|            |                                                                                     |  |                             |  |
|------------|-------------------------------------------------------------------------------------|--|-----------------------------|--|
| CONTRACTOR | NAME OF WELL CONTRACTOR                                                             |  | LICENSE NUMBER              |  |
|            | O'CONNOR WELL DRILLING LTD.                                                         |  | 4005                        |  |
|            | ADDRESS                                                                             |  |                             |  |
|            | RR #1 MILLGROVE LOR IVO ONT.                                                        |  |                             |  |
|            | NAME OF DRILLER OR BOER                                                             |  | LICENSE NUMBER              |  |
|            | W. HOWE                                                                             |  |                             |  |
|            | SIGNATURE OF CONTRACTOR                                                             |  | SUBMISSION DATE             |  |
|            |  |  | DAY _____ MO _____ YR _____ |  |

|                 |                    |            |      |           |               |          |          |
|-----------------|--------------------|------------|------|-----------|---------------|----------|----------|
| OFFICE USE ONLY | DATA<br>SOURCE     | 1          | 4005 | 59-62     | DATE RECEIVED | 09 05 79 | 81 62 60 |
|                 | DATE OF INSPECTION | May 14 '80 |      | INSPECTOR |               |          |          |
|                 | REMARKS            | F-105      |      |           |               |          |          |







Ministry  
of the  
Environment

Ontario  
54/80

1 PRINT ONLY IN SPACES PROVIDED  
2 ENTER CORRECT NOTATION AND UNITS

# WATER WELL RECORD

The Ontario Water Resources Act

6810182

68006

C4N

05

COUNTY OR DISTRICT: Hamilton-Wentworth  
TOWN OR VILLAGE: W. Flamborough  
ADDRESS: 5  
OWNER (SURNAME FIRST): TRENN, M  
Duneen Farm Estates  
MILGROVE, Ont.  
DATE: 04 Dec 80

21  
EASTING: 17 584400  
NORTHING: 4778660  
ELEVATION: 2830  
METER CODE: 34

| LOG OF OVERBURDEN AND BEDROCK MATERIALS |                      |                 |                     | SEE INSTRUCTIONS |    |
|-----------------------------------------|----------------------|-----------------|---------------------|------------------|----|
| GENERAL COLOUR                          | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH FROM       | TO |
|                                         | Top soil             |                 |                     | 0                | 2  |
| Brown                                   | Clay Sand            |                 |                     | 2                | 32 |
| Brown                                   | Sand                 | Gravel Sand     |                     | 32               | 61 |
| Grey                                    | Clay                 |                 |                     | 61               | 69 |
| Grey                                    | Rock                 |                 |                     | 69               | 83 |
| Total Depth                             |                      |                 |                     | 83               |    |

31  
0002 02 0032 405138 0061628111 0069205 0083212  
32  
Well #2/80

|                                                                                                              |                                                                                        |                                                                                    |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 41<br>WATER RECORD<br>WATER FOUND AT FEET: 078, 78-83<br>KIND OF WATER: 1 X FRESH 3 SULPHUR 2 SALT 4 MINERAL | 51<br>CASING & OPEN HOLE RECORD<br>06 X<br>61<br>06<br>61<br>188 0 (0072)<br>72 (0083) | 61<br>PLUGGING & SEALING RECORD<br>10-13 10-17 10-21 10-25 10-29 10-33 10-37 10-40 |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                                          |                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 71<br>PUMPING TEST<br>PUMPING TEST METHOD: 1 X PUMP 2 BAILER<br>PUMPING RATE: 0025<br>WATER LEVELS DURING PUMPING: 016, 030, 016<br>PUMP INTAKE SET AT: 050<br>RECOMMENDED PUMP TYPE: 1 SHALLOW 2 DEEP<br>RECOMMENDED PUMP SETTING: 0015 | LOCATION OF WELL<br>IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.<br>Cummins DR.<br>CON 5<br>PT. LOT 18<br>#2 well<br>#5 well<br>#6 well |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL STATUS OF WELL: 1<br>WATER USE: 01<br>METHOD OF DRILLING: 1 | 1 X WATER SUPPLY<br>2 OBSERVATION WELL<br>3 TEST HOLE<br>4 RECHARGE WELL<br>5 ABANDONED INSUFFICIENT SUPPLY<br>6 ABANDONED POOR QUALITY<br>7 UNFINISHED<br>8 COMMERCIAL<br>9 MUNICIPAL<br>10 PUBLIC SUPPLY<br>11 COOLING OR AIR CONDITIONING<br>12 NOT USED<br>13 CABLE TOOL<br>14 ROTARY (CONVENTIONAL)<br>15 ROTARY (REVERSE)<br>16 ROTARY (AIR)<br>17 AIR PERCUSSION<br>18 BORING<br>19 DIAMOND<br>20 JETTING<br>21 DRILLING |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                                                                               |                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| CONTRACTOR<br>NAME OF WELL CONTRACTOR: Graham Well Drilling Ltd.<br>ADDRESS: Guelph, Ontario<br>NAME OF DRILLER OR BORER: A. Stewart & Jim Hawkins<br>SIGNATURE OF CONTRACTOR: Robert H. Graham<br>SUBMISSION DATE: 31 Dec 80 | OFFICE USE ONLY<br>DATE SOURCE: 1 2336<br>DATE OF INSPECTION: 151280<br>INSPECTION: May 80<br>REMARKS: |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|





Ministry  
of the  
Environment

The Ontario Water Resources Act 32-1/50

# WATER WELL RECORD

SECRET

1. (a)  $\frac{1}{2}$  (b)  $\frac{1}{2}$  (c)  $\frac{1}{2}$  (d)  $\frac{1}{2}$  (e)  $\frac{1}{2}$  (f)  $\frac{1}{2}$  (g)  $\frac{1}{2}$  (h)  $\frac{1}{2}$  (i)  $\frac{1}{2}$  (j)  $\frac{1}{2}$  (k)  $\frac{1}{2}$  (l)  $\frac{1}{2}$  (m)  $\frac{1}{2}$  (n)  $\frac{1}{2}$  (o)  $\frac{1}{2}$  (p)  $\frac{1}{2}$  (q)  $\frac{1}{2}$  (r)  $\frac{1}{2}$  (s)  $\frac{1}{2}$  (t)  $\frac{1}{2}$  (u)  $\frac{1}{2}$  (v)  $\frac{1}{2}$  (w)  $\frac{1}{2}$  (x)  $\frac{1}{2}$  (y)  $\frac{1}{2}$  (z)  $\frac{1}{2}$



6810221

168.006

CON

104

COUNTY OR DISTRICT: Weston TOWNSHIP: Flamboro CITY: Flamboro VILLAGE: 5 IV CON. BLOCK: W MAP: 17 LOT: 17  
 OWNER - SURNAME FIRST: BINKLEY ADDRESS: Box 17 Millersburg DATE COMPLETED: 05-07-00  
 TOWN: 17 EASING: 583860 NORTHING: 4798300 E.C. 44 ELEVATION: 10840 E.C. 40 BASIN CODE: 24

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

| 41                    |  | NO            |                                           | 14.15 |                                           | 21 |                                  |
|-----------------------|--|---------------|-------------------------------------------|-------|-------------------------------------------|----|----------------------------------|
| WATER RECORD          |  |               |                                           |       |                                           |    |                                  |
| WATER FOUND AT - FEET |  | KIND OF WATER |                                           |       |                                           |    |                                  |
| 0118                  |  | NO. 13        |                                           | 1     | <input checked="" type="checkbox"/> FRESH | 3  | <input type="checkbox"/> SULPHUR |
|                       |  | 2             | <input checked="" type="checkbox"/> SALTY | 4     | <input type="checkbox"/> MINERAL          |    |                                  |
|                       |  | 15-18         |                                           | 1     | <input type="checkbox"/> FRESH            | 3  | <input type="checkbox"/> SULPHUR |
|                       |  | 2             | <input type="checkbox"/> SALTY            | 4     | <input type="checkbox"/> MINERAL          |    |                                  |
|                       |  | 20-23         |                                           | 1     | <input type="checkbox"/> FRESH            | 3  | <input type="checkbox"/> SULPHUR |
|                       |  | 2             | <input type="checkbox"/> SALTY            | 4     | <input type="checkbox"/> MINERAL          |    |                                  |
|                       |  | 25-28         |                                           | 1     | <input type="checkbox"/> FRESH            | 3  | <input type="checkbox"/> SULPHUR |
|                       |  | 2             | <input type="checkbox"/> SALTY            | 4     | <input type="checkbox"/> MINERAL          |    |                                  |
|                       |  | 30-33         |                                           | 1     | <input type="checkbox"/> FRESH            | 3  | <input type="checkbox"/> SULPHUR |
|                       |  | 2             | <input type="checkbox"/> SALTY            | 4     | <input type="checkbox"/> MINERAL          |    |                                  |

| CASING & OPEN HOLE RECORD |                                                                                                                                                             |                          |            |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------|
| INCHES<br>DOWN<br>HOLE    | MATERIAL                                                                                                                                                    | HOLE<br>INCHES<br>INCHES | DEPTH FEET |
|                           |                                                                                                                                                             |                          | IN FEET TO |
| 06 11<br>24 14            | <input checked="" type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE | 158                      | 0 0/15     |
| 17 10                     | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE            |                          | 20-21      |
| 24 14                     | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE            |                          | 27-28      |

|                                                        |                        |       |                   |              |                                   |        |       |
|--------------------------------------------------------|------------------------|-------|-------------------|--------------|-----------------------------------|--------|-------|
| SCREEN                                                 | SIZE 5" DI. OF OPENING |       | 31-13             | DRAWER       | 34-34                             | LENGTH | 38-00 |
|                                                        | SIGN NO.               |       |                   |              |                                   |        |       |
|                                                        | MATERIAL AND TYPE      |       |                   | ANCHOR       |                                   |        | FEET  |
|                                                        |                        |       |                   | DEPTH TO TOP |                                   | 81-00  | 10    |
|                                                        |                        |       |                   | 25' STRIP    |                                   |        |       |
|                                                        |                        |       |                   |              |                                   |        | FEET  |
| <div>61</div> <div>PLUGGING &amp; SEALING RECORD</div> |                        |       |                   |              |                                   |        |       |
| DEPTH SET AT                                           |                        | FEET  | MATERIAL AND TYPE |              | CEMENT GROUT<br>LEAD PACKER, ETC. |        |       |
| FROM                                                   |                        |       |                   |              |                                   |        |       |
| 18-13                                                  |                        | 18-13 |                   |              |                                   |        |       |
| 18-21                                                  |                        | 22-25 |                   |              |                                   |        |       |
| 24-29                                                  |                        | 30-33 | 50                |              |                                   |        |       |

|                                                                               |                                                                              |                                 |                         |                                                                               |                                                                                        |             |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------|-------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------|
| PUMPING TEST                                                                  | PUMPING TEST METHOD                                                          |                                 | 10. PUMP IN RATE        |                                                                               | 11. DURATION OF PUMPING                                                                |             |
|                                                                               | 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILEY |                                 | 0100                    |                                                                               | 15.16 15.16<br>C/W 21 - DURS 00 = 00                                                   |             |
|                                                                               | 13. STATIC LEVEL                                                             | 14. WATER LEVEL IN/O OF PUMPING | 16. WATER LEVELS DURING |                                                                               | 17. <input type="checkbox"/> PUMPING<br>2 <input checked="" type="checkbox"/> RECOVERY |             |
|                                                                               | 18.21                                                                        | 22.24                           | 19. MINUTES             | 20. MINUTES                                                                   | 21. MINUTES                                                                            | 20. MINUTES |
|                                                                               | 046 FEET                                                                     | 120 FEET                        | 046 FEET                | 046 FEET                                                                      | 046 FEET                                                                               | 046 FEET    |
| 23. FLOWING GIVE RATE                                                         |                                                                              | 24. PUMP IN/OUT SET AT          |                         | 25. WATER AT END OF TEST                                                      |                                                                                        |             |
| C/W                                                                           |                                                                              | FEET                            |                         | 1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY |                                                                                        |             |
| 26. RECOMMENDED PUMP TYPE                                                     |                                                                              | 27. RECOMMENDED PUMP SETTING    |                         | 28. RECOMMENDED DRAINING RATE                                                 |                                                                                        |             |
| 1 <input type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP |                                                                              | 100 FEET                        |                         | 0020 C/W                                                                      |                                                                                        |             |

|                         |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL<br>STATUS OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY<br>2 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                                     | 5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                                   |
| WATER<br>USE 01         | 1 <input checked="" type="checkbox"/> DOMESTIC<br>2 <input type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER                                    | 5 <input type="checkbox"/> COMMERCIAL<br>6 <input type="checkbox"/> MUNICIPAL<br>7 <input type="checkbox"/> PUBLIC SUPPLY<br>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br><input type="checkbox"/> NOT USED |
| METHOD<br>OF DRILLING 4 | 1 <input type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input checked="" type="checkbox"/> ROTARY (AIR)<br><input type="checkbox"/> AIR PERCUSSION | 5 <input type="checkbox"/> BORING<br>6 <input type="checkbox"/> DIAMOND<br>7 <input type="checkbox"/> JETTING<br>8 <input type="checkbox"/> DRIVING                                                                      |

|            |                                                    |  |                                                             |
|------------|----------------------------------------------------|--|-------------------------------------------------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br><i>Chisley Pichhorn</i> |  | LICENCE NUMBER<br><i>4208</i>                               |
|            | ADDRESS<br><i>RR2 Annapolis</i>                    |  |                                                             |
|            | NAME OF DRILLER OR BORE<br><i>Chisley Pichhorn</i> |  | LICENCE NUMBER<br><i>4207</i>                               |
|            | SIGNATURE BY CONTRACTOR<br><i>Chisley Pichhorn</i> |  | SUBMISSION DATE<br>DATE <i>7</i> MO <i>aug</i> YR <i>88</i> |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

WELL

60 feet

16 17 18

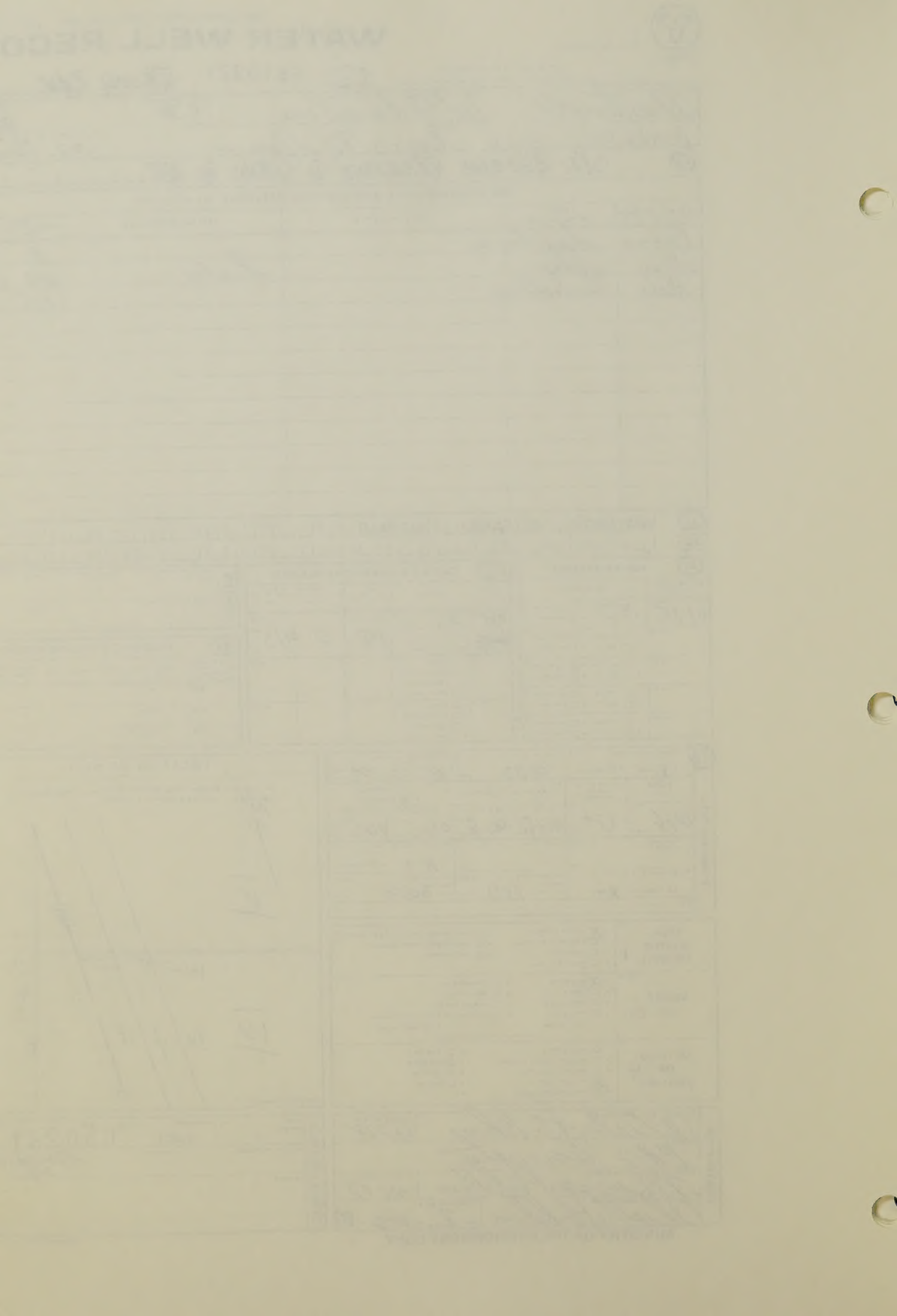
SIDE LOT

DRILLERS REMARKS

|                 |                    |    |            |       |               |       |
|-----------------|--------------------|----|------------|-------|---------------|-------|
| OFFICE USE ONLY | DATA SOURCE        | 54 | CONTRACTOR | 55-57 | DATE RECEIVED | 53-58 |
|                 | 1                  |    | 4208       |       | 050281        |       |
|                 | DATE OF INSPECTION |    | INSPECTOR  |       | MAY 24/82     |       |
|                 | RE MARKS           |    | 72         |       |               |       |

MINISTRY OF THE ENVIRONMENT COPY

FORM NO 0526-4-71 (526)





# WATER WELL RECORD

PRINT ONLY IN SPACES PROVIDED

CHECK ☒ CORRECT DO NOT WHERE APPLICABLE



6810222

1998

6800

Can

102

|                       |                                  |                                 |      |
|-----------------------|----------------------------------|---------------------------------|------|
| COUNTY OR DISTRICT    | TOWNSHIP BOROUGH OF TOWN VILLAGE | CON. BLOCK, TRACT, SURVEY, ETC. | LOT  |
| Westworth             | W F Lombard                      | 4 2                             | 019  |
| OWNER (SURNAME FIRST) | ADDRESS                          | DATE COMPLETED                  | BY   |
| BINKLEY, WAYNE        | PO Box 62 Millgrove Ont          | 06                              | 80   |
| TOWNSHIP              | LOT                              | BLK                             | BLK  |
| 17                    | 584520                           | 4798500                         | 0810 |
| 21                    |                                  |                                 | 34   |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

| 41 WATER RECORD     |  | 51 CASING & OPEN HOLE RECORD |  | 61 PLUGGING & SEALING RECORD |  |
|---------------------|--|------------------------------|--|------------------------------|--|
| WATER FOUND AT FEET |  | INSIDE DIAM INCHES           |  | SCREEN                       |  |
| KIND OF WATER       |  | MATERIAL                     |  | SIZE OF OPENING SLUIT NO.    |  |
| 1 FRESH 3 SULPHUR   |  | 1 STEEL                      |  | DIAMETER                     |  |
| 2 SALT 4 MINERAL    |  | 2 GALVANIZED                 |  | LENGTH                       |  |
| 10-15               |  | 10-15                        |  | 10-15                        |  |
| 15-20               |  | 15-20                        |  | 15-20                        |  |
| 20-25               |  | 20-25                        |  | 20-25                        |  |
| 25-30               |  | 25-30                        |  | 25-30                        |  |
| 30-35               |  | 30-35                        |  | 30-35                        |  |
| 35-40               |  | 35-40                        |  | 35-40                        |  |
| 40-45               |  | 40-45                        |  | 40-45                        |  |
| 45-50               |  | 45-50                        |  | 45-50                        |  |
| 50-55               |  | 50-55                        |  | 50-55                        |  |
| 55-60               |  | 55-60                        |  | 55-60                        |  |
| 60-65               |  | 60-65                        |  | 60-65                        |  |
| 65-70               |  | 65-70                        |  | 65-70                        |  |
| 70-75               |  | 70-75                        |  | 70-75                        |  |
| 75-80               |  | 75-80                        |  | 75-80                        |  |
| 80-85               |  | 80-85                        |  | 80-85                        |  |
| 85-90               |  | 85-90                        |  | 85-90                        |  |
| 90-95               |  | 90-95                        |  | 90-95                        |  |
| 95-100              |  | 95-100                       |  | 95-100                       |  |
| 100-105             |  | 100-105                      |  | 100-105                      |  |
| 105-110             |  | 105-110                      |  | 105-110                      |  |
| 110-115             |  | 110-115                      |  | 110-115                      |  |
| 115-120             |  | 115-120                      |  | 115-120                      |  |
| 120-125             |  | 120-125                      |  | 120-125                      |  |
| 125-130             |  | 125-130                      |  | 125-130                      |  |
| 130-135             |  | 130-135                      |  | 130-135                      |  |
| 135-140             |  | 135-140                      |  | 135-140                      |  |
| 140-145             |  | 140-145                      |  | 140-145                      |  |
| 145-150             |  | 145-150                      |  | 145-150                      |  |
| 150-155             |  | 150-155                      |  | 150-155                      |  |
| 155-160             |  | 155-160                      |  | 155-160                      |  |
| 160-165             |  | 160-165                      |  | 160-165                      |  |
| 165-170             |  | 165-170                      |  | 165-170                      |  |
| 170-175             |  | 170-175                      |  | 170-175                      |  |
| 175-180             |  | 175-180                      |  | 175-180                      |  |
| 180-185             |  | 180-185                      |  | 180-185                      |  |
| 185-190             |  | 185-190                      |  | 185-190                      |  |
| 190-195             |  | 190-195                      |  | 190-195                      |  |
| 195-200             |  | 195-200                      |  | 195-200                      |  |
| 200-205             |  | 200-205                      |  | 200-205                      |  |
| 205-210             |  | 205-210                      |  | 205-210                      |  |
| 210-215             |  | 210-215                      |  | 210-215                      |  |
| 215-220             |  | 215-220                      |  | 215-220                      |  |
| 220-225             |  | 220-225                      |  | 220-225                      |  |
| 225-230             |  | 225-230                      |  | 225-230                      |  |
| 230-235             |  | 230-235                      |  | 230-235                      |  |
| 235-240             |  | 235-240                      |  | 235-240                      |  |
| 240-245             |  | 240-245                      |  | 240-245                      |  |
| 245-250             |  | 245-250                      |  | 245-250                      |  |
| 250-255             |  | 250-255                      |  | 250-255                      |  |
| 255-260             |  | 255-260                      |  | 255-260                      |  |
| 260-265             |  | 260-265                      |  | 260-265                      |  |
| 265-270             |  | 265-270                      |  | 265-270                      |  |
| 270-275             |  | 270-275                      |  | 270-275                      |  |
| 275-280             |  | 275-280                      |  | 275-280                      |  |
| 280-285             |  | 280-285                      |  | 280-285                      |  |
| 285-290             |  | 285-290                      |  | 285-290                      |  |
| 290-295             |  | 290-295                      |  | 290-295                      |  |
| 295-300             |  | 295-300                      |  | 295-300                      |  |
| 300-305             |  | 300-305                      |  | 300-305                      |  |
| 305-310             |  | 305-310                      |  | 305-310                      |  |
| 310-315             |  | 310-315                      |  | 310-315                      |  |
| 315-320             |  | 315-320                      |  | 315-320                      |  |
| 320-325             |  | 320-325                      |  | 320-325                      |  |
| 325-330             |  | 325-330                      |  | 325-330                      |  |
| 330-335             |  | 330-335                      |  | 330-335                      |  |
| 335-340             |  | 335-340                      |  | 335-340                      |  |
| 340-345             |  | 340-345                      |  | 340-345                      |  |
| 345-350             |  | 345-350                      |  | 345-350                      |  |
| 350-355             |  | 350-355                      |  | 350-355                      |  |
| 355-360             |  | 355-360                      |  | 355-360                      |  |
| 360-365             |  | 360-365                      |  | 360-365                      |  |
| 365-370             |  | 365-370                      |  |                              |  |

|       |                                                                                        |                                   |                     |                      |             |                                                |                                   |       |
|-------|----------------------------------------------------------------------------------------|-----------------------------------|---------------------|----------------------|-------------|------------------------------------------------|-----------------------------------|-------|
| 71    | PUMPING TEST METHOD                                                                    |                                   | 18                  | PUMPING RATE         | 19.14       | DURATION OF PUMPING                            | 20.00                             | 21.00 |
|       | 1 <input checked="" type="checkbox"/> PUMP                                             | 2 <input type="checkbox"/> BAILER |                     | 0050                 | CPM         | 15.16                                          | 0000                              | 17.00 |
|       | STATIC LEVEL                                                                           | WATER LEVEL END OF PUMPING        | 25                  | WATER LEVELS DURING  |             | 1 <input type="checkbox"/> PUMPING             |                                   |       |
|       | 18.21                                                                                  | 19.24                             |                     | 15 MINUTES           | 30 MINUTES  | 1 <input checked="" type="checkbox"/> RECOVERY |                                   |       |
|       | 017                                                                                    | 065                               |                     | 017.88               | 017.31      |                                                |                                   |       |
|       | FEET                                                                                   | FEET                              |                     | FEET                 | FEET        |                                                |                                   |       |
|       | 12 FLOWING GIVE RATE                                                                   | 18.41                             | PUMP INITIAL SET AT | WATER AT END OF TEST |             |                                                |                                   |       |
|       |                                                                                        | CPM                               |                     | FEET                 |             | 1 <input checked="" type="checkbox"/> CLEAR    | 2 <input type="checkbox"/> CLOUDY |       |
|       | RECOMMENDED PUMP TYPE                                                                  |                                   | RECOMMENDED         | 43.50                | RECOMMENDED | 46.00                                          |                                   |       |
|       | 1 <input checked="" type="checkbox"/> SMALL 2 <input checked="" type="checkbox"/> DEEP |                                   | SETTING             | 30.40                | PUMP RATE   | 0010                                           |                                   |       |
| 30.40 | Bath                                                                                   |                                   |                     | FEET                 |             | CPM                                            |                                   |       |

|                                              |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>64</p> <p>FINAL STATUS OF WELL )</p>      | <p>1 <input checked="" type="checkbox"/> WATER SUPPLY</p> <p>2 <input type="checkbox"/> OBSERVATION WELL</p> <p>3 <input type="checkbox"/> TEST HOLE</p> <p>4 <input type="checkbox"/> RECHARGE WALL</p>                                                           | <p>5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY</p> <p>6 <input type="checkbox"/> ABANDONED POOR QUALITY</p> <p>7 <input type="checkbox"/> UNFINISHED</p>                                                                             |
| <p>65 66</p> <p>WATER USE</p> <p>01</p>      | <p>1 <input checked="" type="checkbox"/> DOMESTIC</p> <p>2 <input type="checkbox"/> STOCK</p> <p>3 <input type="checkbox"/> IRRIGATION</p> <p>4 <input type="checkbox"/> INDUSTRIAL</p> <p>5 <input type="checkbox"/> OTHER</p>                                    | <p>6 <input type="checkbox"/> COMMERCIAL</p> <p>7 <input type="checkbox"/> MUNICIPAL</p> <p>8 <input type="checkbox"/> PUBLIC SUPPLY</p> <p>9 <input type="checkbox"/> COOLING OR AIR CONDITIONING</p> <p>0 <input type="checkbox"/> NOT USED</p> |
| <p>67</p> <p>METHOD OF DRILLING</p> <p>4</p> | <p>1 <input type="checkbox"/> CABLE TOOL</p> <p>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)</p> <p>3 <input type="checkbox"/> ROTARY (REVERSE)</p> <p>4 <input checked="" type="checkbox"/> ROTARY (AIR)</p> <p>5 <input type="checkbox"/> AIR PERCUSSION</p> | <p>6 <input type="checkbox"/> BORING</p> <p>7 <input type="checkbox"/> DIAMOND</p> <p>8 <input type="checkbox"/> JETTING</p> <p>9 <input type="checkbox"/> DRIVING</p>                                                                            |

|            |                         |                   |
|------------|-------------------------|-------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR | LICENCE NUMBER    |
|            | Wesley Petchom          | 4208              |
|            | ADDRESS                 |                   |
|            | 882 Ancaster            |                   |
|            | NAME OF DRIVER OR OWNER | LICENCE NUMBER    |
|            | Wesley Petchom          | 4208              |
|            | SIGNATURE OF CONTRACTOR | SUBMISSION DATE   |
|            | Wesley Petchom          |                   |
|            |                         | DATE 6 MO Aug. 81 |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

N

I

II

III

IV

V

155'

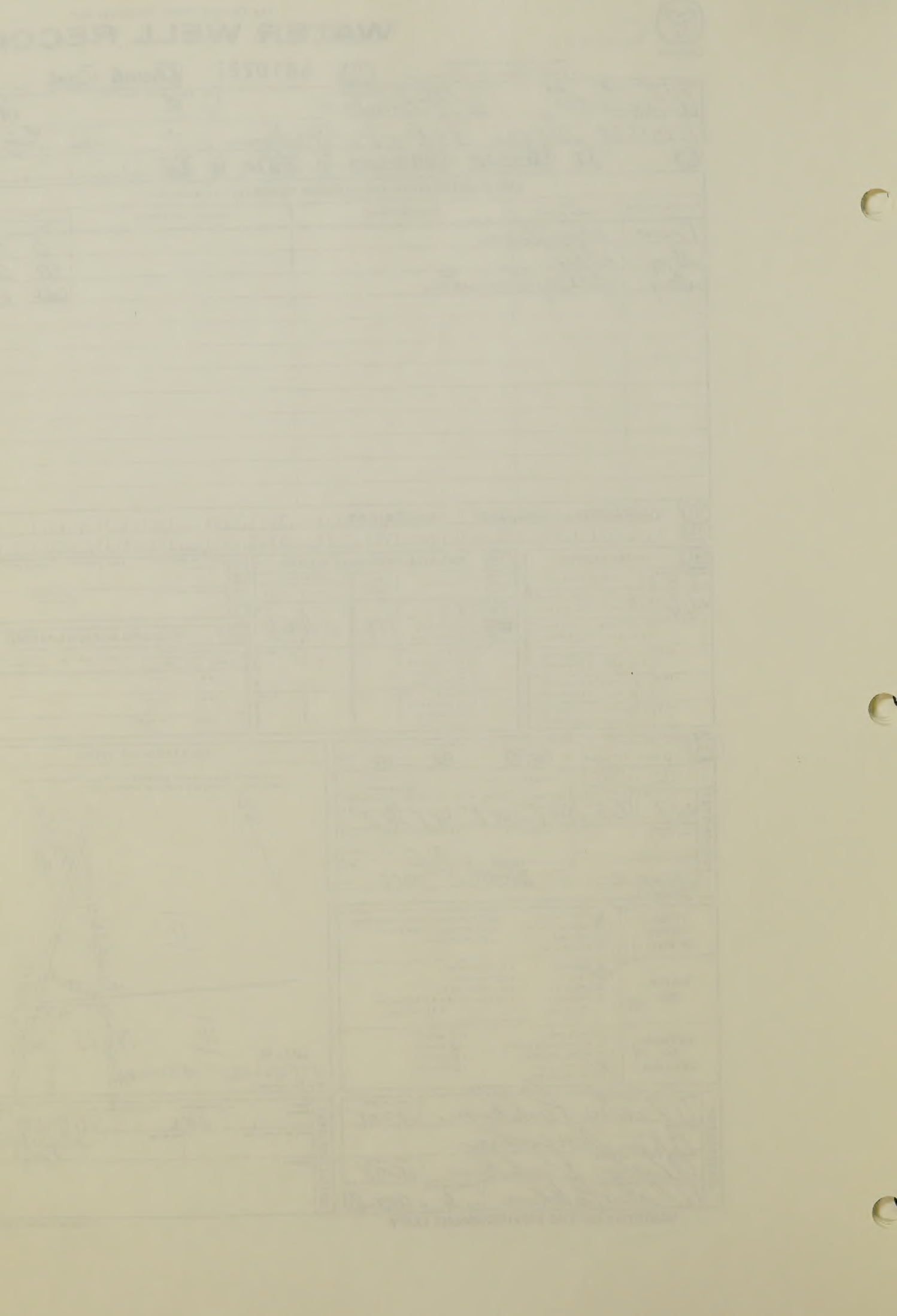
19'

452'

MIDWINTER WELL

1ST HOUSE E OF SIDE A

|                 |                    |    |            |           |               |           |     |
|-----------------|--------------------|----|------------|-----------|---------------|-----------|-----|
| OFFICE USE ONLY | DATE<br>SOURCE     | 10 | CONTRACTOR | 59-41     | DATE RECEIVED | 67-60     | AD  |
|                 | DATE OF INSPECTION | 1  | 4208       | INSPECTOR | 530287        | May 21/82 | gaw |
|                 | REMARKS            |    |            |           |               |           |     |



WATER WELL RECORD

NO. 1001

Faint horizontal lines and a vertical margin line on the left, forming a grid-like structure for data entry.

WATER WELL RECORD





Ontario

Environment

# WATER WELL RECORD

The Ontario Water Resources Act

PRINT ONLY IN SPACES PROVIDED  
CHECK CORRECT BOX WHERE APPLICABLE

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|                                              |                                                                 |                   |                             |
|----------------------------------------------|-----------------------------------------------------------------|-------------------|-----------------------------|
| COUNTY OR DISTRICT<br><i>Wentworth</i>       | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE<br><i>W. Flamborough</i> | LOT<br><i>5</i>   | DATE COMPLETED<br><i>12</i> |
| OWNER (SURNAME FIRST)<br><i>M. KAY, W.L.</i> | ADDRESS<br><i>Milgrove P.O.</i>                                 | DATE<br><i>21</i> | TIME<br><i>12:00</i>        |
| 21                                           | 384640                                                          | 4798530           | 9810                        |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |    |
|----------------|----------------------|-----------------|---------------------|--------------|----|
|                |                      |                 |                     | FROM         | TO |
| <i>Brown</i>   | <i>Soft clay</i>     |                 |                     | 0            | 50 |
| <i>Grey</i>    | <i>clay</i>          |                 |                     | 50           | 63 |
| <i>Grey</i>    | <i>Limestone</i>     |                 |                     | 63           | 67 |

|    |           |         |         |
|----|-----------|---------|---------|
| 31 | 005069581 | 0963205 | 0067215 |
| 32 |           |         |         |

| WATER RECORD        |                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| WATER FOUND AT FEET | KIND OF WATER                                                                                                                                     |
| 10-13               | 1 <input checked="" type="checkbox"/> FRESH 2 <input type="checkbox"/> SULPHUR 3 <input type="checkbox"/> SALT 4 <input type="checkbox"/> MINERAL |
| 15-18               | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SULPHUR 3 <input type="checkbox"/> SALT 4 <input type="checkbox"/> MINERAL            |
| 20-23               | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SULPHUR 3 <input type="checkbox"/> SALT 4 <input type="checkbox"/> MINERAL            |
| 25-28               | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SULPHUR 3 <input type="checkbox"/> SALT 4 <input type="checkbox"/> MINERAL            |
| 30-33               | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SULPHUR 3 <input type="checkbox"/> SALT 4 <input type="checkbox"/> MINERAL            |

| CASING & OPEN HOLE RECORD |                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INSIDE DIA. INCHES        | MATERIAL                                                                                                                                                   |
| 06-11                     | 1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE |
| 17-18                     | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE            |
| 24-25                     | 1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE            |

| SCREEN          |          |
|-----------------|----------|
| SIZE OF OPENING | DIAMETER |
| 1/2" NO. 10     | 3/4"     |

| PLUGGING & SEALING RECORD |                                                                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| DEPTH SET AT FEET         | WATER AND TYPE                                                                                                                         |
| 10-13                     | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SULPHUR 3 <input type="checkbox"/> SALT 4 <input type="checkbox"/> MINERAL |
| 15-18                     | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SULPHUR 3 <input type="checkbox"/> SALT 4 <input type="checkbox"/> MINERAL |
| 20-23                     | 1 <input type="checkbox"/> FRESH 2 <input type="checkbox"/> SULPHUR 3 <input type="checkbox"/> SALT 4 <input type="checkbox"/> MINERAL |

|    |                                                                               |                            |                                                             |
|----|-------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------|
| 71 | PUMPING TEST METHOD                                                           | 10 PUMPING RATE            | 15-18 DURATION OF PUMPING                                   |
|    | 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILEY  | 0050                       | 01                                                          |
|    | STATIC LEVEL                                                                  | WATER LEVEL END OF PUMPING | WATER LEVELS DURING                                         |
|    | 018                                                                           | 060                        | 15 MINUTES 018 30 MINUTES 018 45 MINUTES 018 60 MINUTES 018 |
|    | IF FLOWING GIVE DATE                                                          | PUMP INTAKE SET AT         | WATER AT END OF TEST                                        |
|    |                                                                               | 040                        | 0010                                                        |
|    | RECOMMENDED PUMP TYPE                                                         | RECOMMENDED PUMP SETTING   | RECOMMENDED PUMPING RATE                                    |
|    | 1 <input type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP | 040                        | 10-20                                                       |

|                      |                                                                                                                                                                                                                                 |                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL STATUS OF WELL | 1 <input checked="" type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL                                                    | 5 <input type="checkbox"/> ABANDONED - INSUFFICIENT SUPPLY 6 <input type="checkbox"/> ABANDONED - POOR QUALITY 7 <input type="checkbox"/> UNFINISHED                                                            |
| WATER USE            | 1 <input checked="" type="checkbox"/> DOMESTIC 2 <input type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL 5 <input type="checkbox"/> OTHER                                    | 6 <input type="checkbox"/> COMMERCIAL 7 <input type="checkbox"/> MUNICIPAL 8 <input type="checkbox"/> PUBLIC SUPPLY 9 <input type="checkbox"/> COOLING OR AIR CONDITIONING 10 <input type="checkbox"/> NOT USED |
| METHOD OF DRILLING   | 1 <input type="checkbox"/> CABLE TOOL 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) 3 <input type="checkbox"/> ROTARY (REVERSE) 4 <input checked="" type="checkbox"/> ROTARY (AIR) 5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING 7 <input type="checkbox"/> DIAMOND 8 <input type="checkbox"/> JETTING 9 <input type="checkbox"/> DRIVING                                                                      |

| LOCATION OF WELL                                                                         |  |
|------------------------------------------------------------------------------------------|--|
| IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. |  |
| <i>new house across street from General Store</i>                                        |  |
| <i>Milgrove Road Rd</i>                                                                  |  |
| <i>18</i>                                                                                |  |
| <i>19</i>                                                                                |  |
| <i>20</i>                                                                                |  |
| <i>21</i>                                                                                |  |
| <i>22</i>                                                                                |  |
| <i>23</i>                                                                                |  |
| <i>24</i>                                                                                |  |
| <i>25</i>                                                                                |  |
| <i>26</i>                                                                                |  |
| <i>27</i>                                                                                |  |
| <i>28</i>                                                                                |  |
| <i>29</i>                                                                                |  |
| <i>30</i>                                                                                |  |
| <i>31</i>                                                                                |  |
| <i>32</i>                                                                                |  |
| <i>33</i>                                                                                |  |
| <i>34</i>                                                                                |  |
| <i>35</i>                                                                                |  |
| <i>36</i>                                                                                |  |
| <i>37</i>                                                                                |  |
| <i>38</i>                                                                                |  |
| <i>39</i>                                                                                |  |
| <i>40</i>                                                                                |  |
| <i>41</i>                                                                                |  |
| <i>42</i>                                                                                |  |
| <i>43</i>                                                                                |  |
| <i>44</i>                                                                                |  |
| <i>45</i>                                                                                |  |
| <i>46</i>                                                                                |  |
| <i>47</i>                                                                                |  |
| <i>48</i>                                                                                |  |
| <i>49</i>                                                                                |  |
| <i>50</i>                                                                                |  |
| <i>51</i>                                                                                |  |
| <i>52</i>                                                                                |  |
| <i>53</i>                                                                                |  |
| <i>54</i>                                                                                |  |
| <i>55</i>                                                                                |  |
| <i>56</i>                                                                                |  |
| <i>57</i>                                                                                |  |
| <i>58</i>                                                                                |  |
| <i>59</i>                                                                                |  |
| <i>60</i>                                                                                |  |
| <i>61</i>                                                                                |  |
| <i>62</i>                                                                                |  |
| <i>63</i>                                                                                |  |
| <i>64</i>                                                                                |  |
| <i>65</i>                                                                                |  |
| <i>66</i>                                                                                |  |
| <i>67</i>                                                                                |  |
| <i>68</i>                                                                                |  |
| <i>69</i>                                                                                |  |
| <i>70</i>                                                                                |  |
| <i>71</i>                                                                                |  |
| <i>72</i>                                                                                |  |
| <i>73</i>                                                                                |  |
| <i>74</i>                                                                                |  |
| <i>75</i>                                                                                |  |
| <i>76</i>                                                                                |  |
| <i>77</i>                                                                                |  |
| <i>78</i>                                                                                |  |
| <i>79</i>                                                                                |  |
| <i>80</i>                                                                                |  |
| <i>81</i>                                                                                |  |
| <i>82</i>                                                                                |  |
| <i>83</i>                                                                                |  |
| <i>84</i>                                                                                |  |
| <i>85</i>                                                                                |  |
| <i>86</i>                                                                                |  |
| <i>87</i>                                                                                |  |
| <i>88</i>                                                                                |  |
| <i>89</i>                                                                                |  |
| <i>90</i>                                                                                |  |
| <i>91</i>                                                                                |  |
| <i>92</i>                                                                                |  |
| <i>93</i>                                                                                |  |
| <i>94</i>                                                                                |  |
| <i>95</i>                                                                                |  |
| <i>96</i>                                                                                |  |
| <i>97</i>                                                                                |  |
| <i>98</i>                                                                                |  |
| <i>99</i>                                                                                |  |
| <i>100</i>                                                                               |  |

|            |                                                  |                                     |
|------------|--------------------------------------------------|-------------------------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br><i>Wesley Packham</i> | LICENCE NUMBER<br><i>4208</i>       |
|            | NAME OF DRILLER OR BORE<br><i>PK2 uncaster</i>   | LICENCE NUMBER<br><i>4208</i>       |
|            | SIGNATURE OF CONTRACTOR<br><i>Wesley Packham</i> | SUBMISSION DATE<br><i>24 Dec 80</i> |
|            | DATE<br><i>24 Dec 80</i>                         |                                     |

|                 |                             |                                   |                            |
|-----------------|-----------------------------|-----------------------------------|----------------------------|
| OFFICE USE ONLY | DATE SOURCE<br><i>1</i>     | DATE OF INSPECTION<br><i>4208</i> | INSPECTOR<br><i>050281</i> |
|                 | REMARKS<br><i>may 21/82</i> |                                   |                            |
|                 |                             |                                   |                            |
|                 |                             |                                   |                            |

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0528-4-77 FORM 1

WATER WELL RECORD

NO. 1210211  
DATE 10/10/11  
BY [illegible]  
[illegible]

| DATE     | TIME  | WELL NO. | DEPTH | WATER LEVEL | WIND | TEMP. | REMARKS            |
|----------|-------|----------|-------|-------------|------|-------|--------------------|
| 10/10/11 | 08:00 | 1210211  | 10    | 10.5        | SE   | 65    | First observation  |
| 10/10/11 | 12:00 | 1210211  | 10    | 10.5        | SE   | 65    | Second observation |
| 10/10/11 | 16:00 | 1210211  | 10    | 10.5        | SE   | 65    | Third observation  |

| DATE     | TIME  | WELL NO. | DEPTH | WATER LEVEL | WIND | TEMP. | REMARKS            |
|----------|-------|----------|-------|-------------|------|-------|--------------------|
| 10/10/11 | 20:00 | 1210211  | 10    | 10.5        | SE   | 65    | Fourth observation |
| 10/10/11 | 24:00 | 1210211  | 10    | 10.5        | SE   | 65    | Fifth observation  |

| DATE     | TIME  | WELL NO. | DEPTH | WATER LEVEL | WIND | TEMP. | REMARKS             |
|----------|-------|----------|-------|-------------|------|-------|---------------------|
| 10/10/11 | 06:00 | 1210211  | 10    | 10.5        | SE   | 65    | Sixth observation   |
| 10/10/11 | 10:00 | 1210211  | 10    | 10.5        | SE   | 65    | Seventh observation |
| 10/10/11 | 14:00 | 1210211  | 10    | 10.5        | SE   | 65    | Eighth observation  |
| 10/10/11 | 18:00 | 1210211  | 10    | 10.5        | SE   | 65    | Ninth observation   |
| 10/10/11 | 22:00 | 1210211  | 10    | 10.5        | SE   | 65    | Tenth observation   |





# Environment

The Ontario Water Resources Act

2000/50

# WATER WELL RECORD

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|                                         |  |                                                                |  |                                         |  |                    |  |
|-----------------------------------------|--|----------------------------------------------------------------|--|-----------------------------------------|--|--------------------|--|
| COUNTY OR DISTRICT<br>WENTWORTH         |  | TOWNSHIP BOROUGH CITY TOWN VILLAGE<br>(WEST FLAMBORO) FLAMBORO |  | CON. BLOCK TRACT SUBDIV. ETC.<br>CON. 5 |  | DATE<br>019        |  |
| OWNER (SURNAME FIRST)<br>BINKLEY MARI E |  | ADDRESS<br>MILLCROFT P.O. BNT.                                 |  | DATE COMPLETED<br>10 07                 |  | 01                 |  |
| EASTING<br>17 584760                    |  | NORTHING<br>4778640                                            |  | ELEVATION<br>4 0810                     |  | MAJOR CODE<br>4 24 |  |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

31

pp306|28|77

1005222877

100652058177

006721573

32

1 2 3 4 5 6 7 8 9 10 11 12

[illegible]

1 2 3 4 5 6 7 8 9 10 11 12

\_\_\_\_\_

[illegible]

|                           |                     |                              |                            |                              |                         |                          |                      |                 |  |
|---------------------------|---------------------|------------------------------|----------------------------|------------------------------|-------------------------|--------------------------|----------------------|-----------------|--|
| PUMPING TEST              | PUMPING TEST METHOD |                              | 10. PUMPING RATE           |                              | 11. TIME                |                          | 12. DATE             |                 |  |
|                           | 1. PUMP             | 2. PILE                      | 0030                       |                              | 02                      |                          | 10-16-00             |                 |  |
|                           | STATIC LEVEL        |                              | WATER LEVEL END OF PUMPING |                              | 23. WATER LEVELS DURING |                          | 24. PUMPING RECOVERY |                 |  |
|                           | 19-21               | 22-24                        | 15 MINUTES                 | 30 MINUTES                   | 45 MINUTES              | 60 MINUTES               | 75 MINUTES           | 90 MINUTES      |  |
|                           | 027                 | 032                          | 027                        | 027                          | 027                     | 027                      | 027                  | 027             |  |
| 19-21 FEET                |                     | 22-24 FEET                   |                            | 15 MINUTES FEET              |                         | 30 MINUTES FEET          |                      | 45 MINUTES FEET |  |
| 15. FLOWING GIVE RATE     |                     | 16. PUMP INTAKE SET AT       |                            |                              |                         | 17. WATER AT END OF TEST |                      |                 |  |
|                           |                     | GPM                          |                            |                              |                         | FEET                     |                      |                 |  |
| 18. RECOMMENDED PUMP TYPE |                     | 19. RECOMMENDED PUMP SETTING |                            | 20. RECOMMENDED PUMPING RATE |                         | 21. CLEAR                |                      | 22. CLOUDY      |  |
| □ SHALLOW                 |                     | □ DEEP                       |                            | 060                          |                         | 63-65                    |                      | 66-68           |  |
|                           |                     |                              |                            | FEET                         |                         | PUMPING RATE             |                      | 0010            |  |
| 10-11                     |                     |                              |                            |                              |                         |                          |                      |                 |  |

|                                    |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                  |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 54<br>FINAL<br>STATUS<br>OF WELL 1 | <input checked="" type="checkbox"/> WATER SUPPLY<br><input type="checkbox"/> OBSERVATION WELL<br><input type="checkbox"/> TEST HOLE<br><input type="checkbox"/> RECHARGE WELL                                                     | <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br><input type="checkbox"/> ABANDONED POOR QUALITY<br><input type="checkbox"/> UNFINISHED                                                                 |
| 55-58<br>WATER<br>USE 01           | <input checked="" type="checkbox"/> DOMESTIC<br><input type="checkbox"/> STOCK<br><input type="checkbox"/> IRRIGATION<br><input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER                                    | <input type="checkbox"/> COMMERCIAL<br><input type="checkbox"/> MUNICIPAL<br><input type="checkbox"/> PUBLIC SUPPLY<br><input type="checkbox"/> COOLING OR AIR CONDITIONING<br><input type="checkbox"/> NOT USED |
| 57<br>METHOD<br>OF<br>DRILLING 1   | <input checked="" type="checkbox"/> CABLE TOOL<br><input type="checkbox"/> ROTARY (CONVENTIONAL)<br><input type="checkbox"/> ROTARY (REVERSE)<br><input type="checkbox"/> ROTARY (AIR)<br><input type="checkbox"/> AIR PERCUSSION | <input type="checkbox"/> BORING<br><input type="checkbox"/> DIAMOND<br><input type="checkbox"/> JETTING<br><input type="checkbox"/> DRIVING                                                                      |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCE OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

LOT 18

MILL GROVE

CON. S. W. F.

LOT 19

85m

WELL

0.1KM

BANKLEY CR.

0.17 KM

CON. S. W. F.

CON. S. W. F.

DRILLER'S REMARKS

|            |                                                               |  |                                                |
|------------|---------------------------------------------------------------|--|------------------------------------------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR<br><b>O'CONNOR WELL DRILLING LTD.</b> |  | LICENCE NUMBER<br><b>4005</b>                  |
|            | ADDRESS<br><b>Rt # 1 MILLGROVE ONT. LOR IVO</b>               |  |                                                |
|            | NAME OF DRILLER OR BORE<br><b>J. O'CONNOR</b>                 |  | LICENCE NUMBER                                 |
|            | SIGNATURE OF CONTRACTOR<br><i>J. O'Connor</i>                 |  | SUBMISSION DATE<br>DAY _____ MO _____ YR _____ |

|                 |                    |   |               |            |                 |        |    |
|-----------------|--------------------|---|---------------|------------|-----------------|--------|----|
| OFFICE USE ONLY | DATA SOURCE        | 1 | 16 CONTRACTOR | 15-07      | DATE            | 050881 | 16 |
|                 | DATE OF INSPECTION |   | 4005          | INSPECTION | May 21/02<br>JW |        |    |
|                 | REMARKS            |   |               |            |                 |        |    |

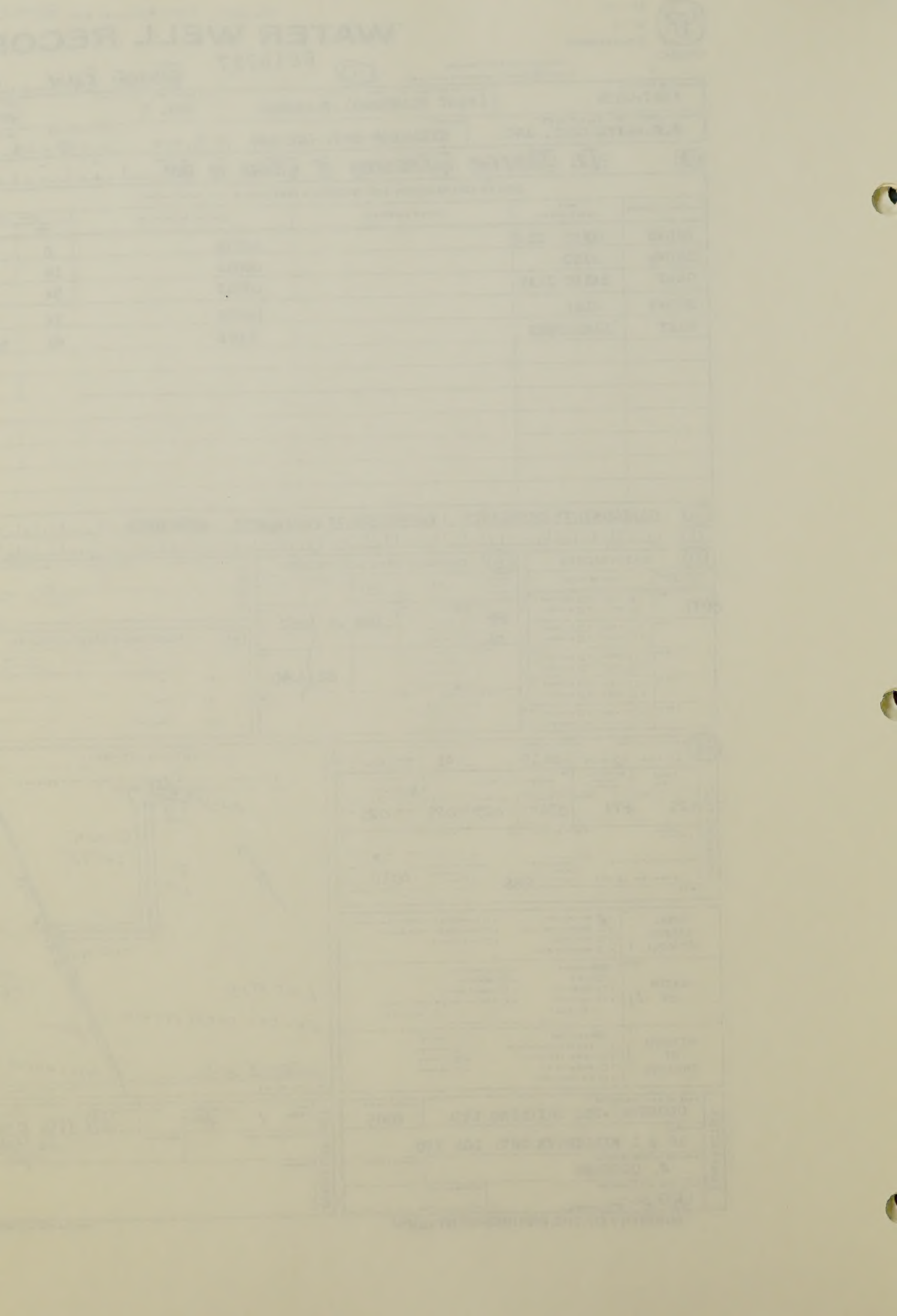
MINISTRY OF THE ENVIRONMENT COPY

FORM NO 0506-4-77 FORM 1











Minister  
of the  
Environment

The Ontario Water Resources Act

367/500

# WATER WELL RECORD

2 CHECK ☒ CORRECT OR WHENEVER POSSIBLE



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|                                                |                                                                |                                      |            |
|------------------------------------------------|----------------------------------------------------------------|--------------------------------------|------------|
| COUNTY OR DISTRICT<br>WENTWORTH                | TOWNSHIP BOROUGH CITY TOWN VILLAGE<br>(WEST FLAMBORO) FLAMBORO | CON. BLOCK TRACT SURV. ETC<br>CON. 5 | LOT<br>018 |
| OWNER (SURNAME FIRST)<br>G.H. WHITE CORP. INC. | ADDRESS<br>KILBRIDE ONT. LOP 100                               | DATE COMPLETED<br>21 - 09 - 81       |            |

| TIME | ISSING | NO. MINING | PC | ELEVATION | PC | SHIN CODE | N | SE | FW |
|------|--------|------------|----|-----------|----|-----------|---|----|----|
| 17   | 384200 | 4798740    | 43 | 0860      | 44 | 44        |   |    |    |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible][illegible]

| 41 WATER RECORD       |                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WATER FOUND AT - FEET | KIND OF WATER                                                                                                                                                    |
| 00-10<br>0092         | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input checked="" type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL |
| 10-18                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL                       |
| 20-23                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL                       |
| 25-28                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL                       |
| 30-33                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR<br>2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL                       |

| CASING & OPEN HOLE RECORD                                                                                                                                      |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 51<br>INSIDE<br>DIAM<br>IN FEET                                                                                                                                | WATER NO.<br>DATE<br>TIME |
| 6 1/2<br>06                                                                                                                                                    | 1.188 +2 0083             |
| 17-18<br>*<br><input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE | 83 0095                   |
| 20-23<br>*<br><input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE |                           |

|        |                   |       |        |       |       |       |
|--------|-------------------|-------|--------|-------|-------|-------|
| SCREEN | 1-2-73 BY OPERING | 31-33 | 2-6-73 | 34-38 | -CNGM | 39-40 |
|        | 1-27-73           |       |        |       |       |       |
|        |                   |       | 1-2-73 |       |       | FEEET |
|        | WATER AND TYPE    |       | 1-2-73 |       |       | 41-44 |
|        |                   |       | 1-2-73 |       |       | FEEET |

| 61      |       | PLUGGING & SEALING RECORD |               |
|---------|-------|---------------------------|---------------|
| DATE    | TIME  | MATERIAL AND TYPE         | ELEMENT GROUP |
| 11-1-57 | 10:00 | LEAD                      | LEAD POUCH 1  |
| 11-1-57 | 10:15 |                           |               |
| 11-1-57 | 10:30 |                           |               |
| 11-1-57 | 10:45 |                           |               |
| 11-1-57 | 11:00 |                           |               |
| 11-1-57 | 11:15 |                           |               |
| 11-1-57 | 11:30 |                           |               |
| 11-1-57 | 11:45 |                           |               |
| 11-1-57 | 12:00 |                           |               |
| 11-1-57 | 12:15 |                           |               |
| 11-1-57 | 12:30 |                           |               |
| 11-1-57 | 12:45 |                           |               |
| 11-1-57 | 13:00 |                           |               |
| 11-1-57 | 13:15 |                           |               |
| 11-1-57 | 13:30 |                           |               |
| 11-1-57 | 13:45 |                           |               |
| 11-1-57 | 14:00 |                           |               |
| 11-1-57 | 14:15 |                           |               |
| 11-1-57 | 14:30 |                           |               |
| 11-1-57 | 14:45 |                           |               |
| 11-1-57 | 15:00 |                           |               |
| 11-1-57 | 15:15 |                           |               |
| 11-1-57 | 15:30 |                           |               |
| 11-1-57 | 15:45 |                           |               |
| 11-1-57 | 16:00 |                           |               |
| 11-1-57 | 16:15 |                           |               |
| 11-1-57 | 16:30 |                           |               |
| 11-1-57 | 16:45 |                           |               |
| 11-1-57 | 17:00 |                           |               |
| 11-1-57 | 17:15 |                           |               |
| 11-1-57 | 17:30 |                           |               |
| 11-1-57 | 17:45 |                           |               |
| 11-1-57 | 18:00 |                           |               |
| 11-1-57 | 18:15 |                           |               |
| 11-1-57 | 18:30 |                           |               |
| 11-1-57 | 18:45 |                           |               |
| 11-1-57 | 19:00 |                           |               |
| 11-1-57 | 19:15 |                           |               |
| 11-1-57 | 19:30 |                           |               |
| 11-1-57 | 19:45 |                           |               |
| 11-1-57 | 20:00 |                           |               |
| 11-1-57 | 20:15 |                           |               |
| 11-1-57 | 20:30 |                           |               |
| 11-1-57 | 20:45 |                           |               |
| 11-1-57 | 21:00 |                           |               |
| 11-1-57 | 21:15 |                           |               |
| 11-1-57 | 21:30 |                           |               |
| 11-1-57 | 21:45 |                           |               |
| 11-1-57 | 22:00 |                           |               |
| 11-1-57 | 22:15 |                           |               |
| 11-1-57 | 22:30 |                           |               |
| 11-1-57 | 22:45 |                           |               |
| 11-1-57 | 23:00 |                           |               |
| 11-1-57 | 23:15 |                           |               |
| 11-1-57 | 23:30 |                           |               |
| 11-1-57 | 23:45 |                           |               |
| 11-1-57 | 24:00 |                           |               |

|              |                                                                               |  |                               |  |                                                                                          |  |
|--------------|-------------------------------------------------------------------------------|--|-------------------------------|--|------------------------------------------------------------------------------------------|--|
| 71           | PUMPING TEST METHOD                                                           |  | 10 PUMPAL RATE                |  | 11-16 DURATION OF PUMPAL                                                                 |  |
|              | 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> RAILER  |  | 0008                          |  | 01 15-16 00 17-18                                                                        |  |
|              |                                                                               |  |                               |  | CPW                                                                                      |  |
|              |                                                                               |  |                               |  |                                                                                          |  |
| PUMPING TEST | 12 STATIC LEVEL                                                               |  | 13 WATER LEVEL END OF PUMPING |  | 14 WATER LEVELS DURING                                                                   |  |
|              | 15-21 024                                                                     |  | 22-24 082                     |  | 1 <input type="checkbox"/> PUMPING 2 <input checked="" type="checkbox"/> RECOVERY        |  |
|              | FEET                                                                          |  | FEET                          |  |                                                                                          |  |
|              |                                                                               |  |                               |  |                                                                                          |  |
| PUMPING TEST | 15 MINUTES                                                                    |  | 30 MINUTES                    |  | 45 MINUTES                                                                               |  |
|              | 051 20-28                                                                     |  | 039 29-31                     |  | 029 32-34                                                                                |  |
|              | FEET                                                                          |  | FEET                          |  | FEET                                                                                     |  |
|              |                                                                               |  |                               |  |                                                                                          |  |
| PUMPING TEST | 17 FLOWING GIVE RATE                                                          |  | 18 PUMP INTAKE SET AT         |  | 19 WATER AT END OF TEST                                                                  |  |
|              |                                                                               |  |                               |  |                                                                                          |  |
|              | CPW                                                                           |  | FEET                          |  | 1 <input checked="" type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY |  |
|              |                                                                               |  |                               |  |                                                                                          |  |
| PUMPING TEST | 20 RECOMMENDED PUMP TYPE                                                      |  | 21 RECOMMENDED PUMP SETTING   |  | 22-23 RECOMMENDED PUMPING RATE                                                           |  |
|              | 1 <input type="checkbox"/> SHALLOW 2 <input checked="" type="checkbox"/> DEEP |  | 092                           |  | 0008                                                                                     |  |
|              |                                                                               |  |                               |  | CPW                                                                                      |  |
|              |                                                                               |  |                               |  |                                                                                          |  |

|                          |             |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                          |
|--------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL<br>STATUS OF WELL  | 64<br>1     | 1 <input checked="" type="checkbox"/> WATER SUPPLY<br>2 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                                       | 5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                                   |
| WATER<br>USE             | 85-90<br>01 | 1 <input checked="" type="checkbox"/> DOMESTIC<br>2 <input type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER                                      | 5 <input type="checkbox"/> COMMERCIAL<br>6 <input type="checkbox"/> MUNICIPAL<br>7 <input type="checkbox"/> PUBLIC SUPPLY<br>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br><input type="checkbox"/> NOT USED |
| METHOD<br>OF<br>DRILLING | 97<br>1     | 1 <input checked="" type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAMOND<br>8 <input type="checkbox"/> JETTING<br>9 <input type="checkbox"/> DRIVING                                                                      |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NUMBER BY ARROW

LOT 11

CONS/ LOT 18

LOT 2

DUNCAN FARM ESTATES

MILL GROVE RD

HIGHWAY 6

1.6 km

0.25 km

1.5 km

0.25 km

DRILLER'S REMARKS

|            |                               |                              |                |
|------------|-------------------------------|------------------------------|----------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR       |                              | LICENCE NUMBER |
|            | O'CONNOR WELL DRILLING LTD.   |                              | 4005           |
|            | ADDRESS                       |                              |                |
|            | RR # 1 MILLGROVE ONT. LOR IVO |                              |                |
|            | NAME OF DRILLER OR BORE       |                              | LICENCE NUMBER |
|            | J. O'CONNOR                   |                              |                |
|            | SIGNATURE OF CONTRACTOR       | SUBMISSION DATE              |                |
|            | <i>J. O'Connor</i>            | DATE _____ MO _____ YR _____ |                |

|                 |                    |    |            |           |          |       |
|-----------------|--------------------|----|------------|-----------|----------|-------|
| OFFICE USE ONLY | DATA SOURCE        | SA | CONTRACTOR | SY-42     | DATE     | 87-08 |
|                 | 1                  |    | 4005       |           | 28 09 81 |       |
|                 | DATE OF INSPECTION |    |            | INSPECTOR |          |       |
|                 | RE MARKS           |    |            |           |          |       |

MINISTRY OF THE ENVIRONMENT COPY

FORM NO 0508-4-77 FORM 7

WATER WELL RECORD

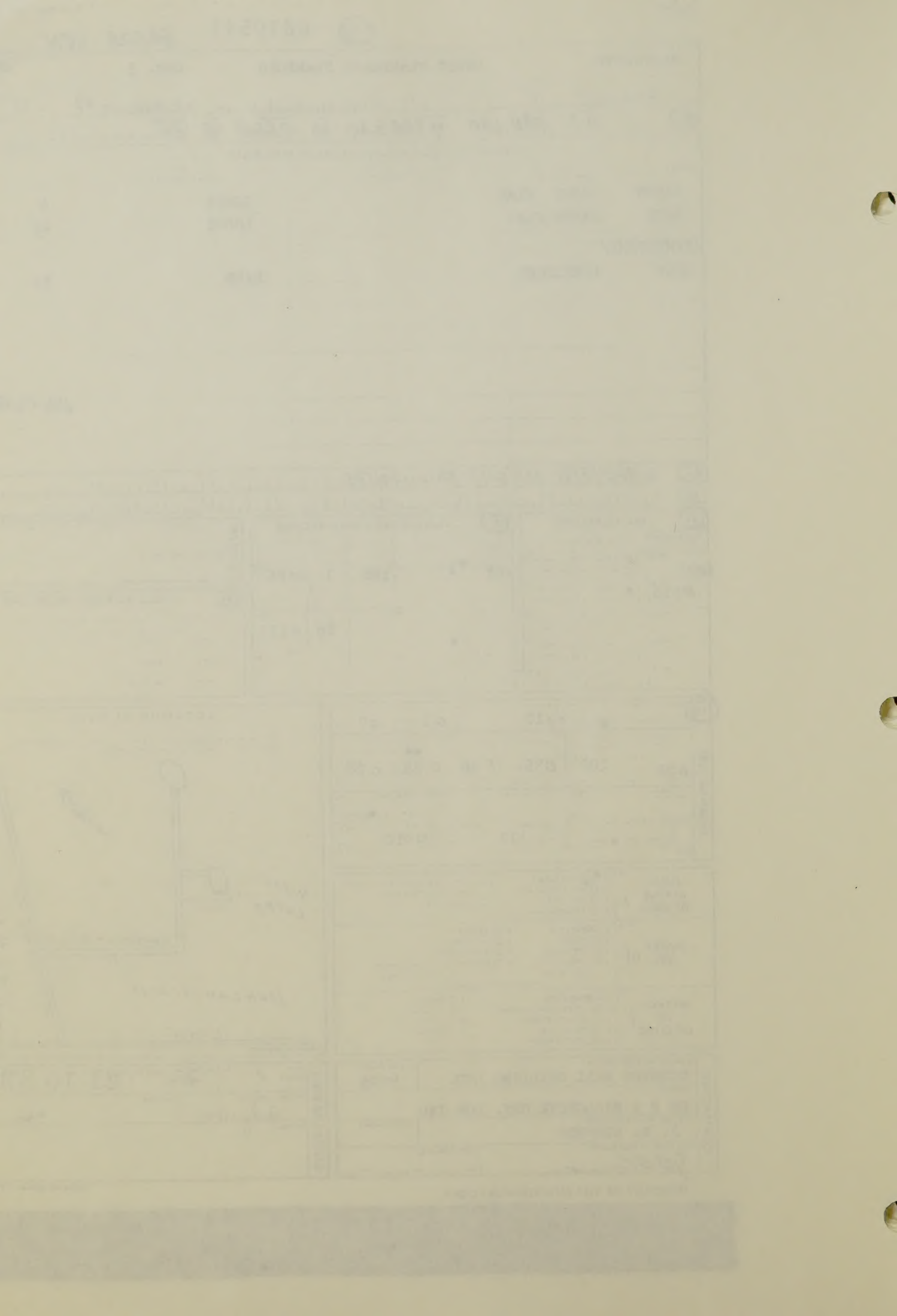
WELL NO. 1  
LOCATION: [illegible]  
DATE: [illegible]  
BY: [illegible]

| TIME | DEPTH | TEMP. | WIND | WAVE | SEA | WIND | WAVE | SEA |
|------|-------|-------|------|------|-----|------|------|-----|
| 8    | 10    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 9    | 20    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 10   | 30    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 11   | 40    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 12   | 50    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 13   | 60    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 14   | 70    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 15   | 80    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 16   | 90    | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 17   | 100   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 18   | 110   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 19   | 120   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 20   | 130   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 21   | 140   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 22   | 150   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 23   | 160   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 24   | 170   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 25   | 180   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 26   | 190   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 27   | 200   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 28   | 210   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 29   | 220   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 30   | 230   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 31   | 240   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 32   | 250   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 33   | 260   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 34   | 270   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 35   | 280   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 36   | 290   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 37   | 300   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 38   | 310   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 39   | 320   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 40   | 330   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 41   | 340   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 42   | 350   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 43   | 360   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 44   | 370   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 45   | 380   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 46   | 390   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 47   | 400   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 48   | 410   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 49   | 420   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 50   | 430   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 51   | 440   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 52   | 450   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 53   | 460   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 54   | 470   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 55   | 480   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 56   | 490   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 57   | 500   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 58   | 510   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 59   | 520   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 60   | 530   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 61   | 540   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 62   | 550   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 63   | 560   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 64   | 570   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 65   | 580   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 66   | 590   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 67   | 600   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 68   | 610   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 69   | 620   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 70   | 630   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 71   | 640   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 72   | 650   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 73   | 660   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 74   | 670   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 75   | 680   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 76   | 690   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 77   | 700   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 78   | 710   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 79   | 720   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 80   | 730   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 81   | 740   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 82   | 750   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 83   | 760   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 84   | 770   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 85   | 780   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 86   | 790   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 87   | 800   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 88   | 810   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 89   | 820   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 90   | 830   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 91   | 840   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 92   | 850   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 93   | 860   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 94   | 870   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 95   | 880   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 96   | 890   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 97   | 900   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 98   | 910   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 99   | 920   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |
| 100  | 930   | 65    | SE   | 1    | 1   | SE   | 1    | 1   |

|     |      |    |    |   |   |    |   |   |
|-----|------|----|----|---|---|----|---|---|
| 101 | 940  | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 102 | 950  | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 103 | 960  | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 104 | 970  | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 105 | 980  | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 106 | 990  | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 107 | 1000 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 108 | 1010 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 109 | 1020 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 110 | 1030 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 111 | 1040 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 112 | 1050 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 113 | 1060 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 114 | 1070 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 115 | 1080 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 116 | 1090 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 117 | 1100 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 118 | 1110 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 119 | 1120 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 120 | 1130 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 121 | 1140 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 122 | 1150 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 123 | 1160 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 124 | 1170 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 125 | 1180 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 126 | 1190 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 127 | 1200 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 128 | 1210 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 129 | 1220 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 130 | 1230 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 131 | 1240 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 132 | 1250 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 133 | 1260 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 134 | 1270 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 135 | 1280 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 136 | 1290 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 137 | 1300 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 138 | 1310 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 139 | 1320 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 140 | 1330 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 141 | 1340 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 142 | 1350 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 143 | 1360 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 144 | 1370 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 145 | 1380 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 146 | 1390 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 147 | 1400 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 148 | 1410 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 149 | 1420 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 150 | 1430 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 151 | 1440 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 152 | 1450 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 153 | 1460 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 154 | 1470 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 155 | 1480 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 156 | 1490 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 157 | 1500 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 158 | 1510 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 159 | 1520 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 160 | 1530 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 161 | 1540 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 162 | 1550 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 163 | 1560 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 164 | 1570 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 165 | 1580 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 166 | 1590 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 167 | 1600 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 168 | 1610 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 169 | 1620 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 170 | 1630 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 171 | 1640 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 172 | 1650 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 173 | 1660 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 174 | 1670 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 175 | 1680 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 176 | 1690 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 177 | 1700 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 178 | 1710 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 179 | 1720 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 180 | 1730 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 181 | 1740 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 182 | 1750 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 183 | 1760 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 184 | 1770 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 185 | 1780 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 186 | 1790 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 187 | 1800 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 188 | 1810 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 189 | 1820 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 190 | 1830 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 191 | 1840 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 192 | 1850 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 193 | 1860 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 194 | 1870 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 195 | 1880 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 196 | 1890 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 197 | 1900 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 198 | 1910 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 199 | 1920 | 65 | SE | 1 | 1 | SE | 1 | 1 |
| 200 | 1930 | 65 | SE | 1 | 1 | SE | 1 | 1 |









WENTWORTH (WEST FLAMBORO) FLAMBORO CON. 5  
FREIER, F. 29 Cumminsville Dr. Waterdown  
1.7 58.40.60 479.9.06 4 0.8.65 4 2.4

LOG OF OVERBURDEN AND BEDROCK MATERIALS

|       |            |       |    |    |
|-------|------------|-------|----|----|
| BROWN | SAND       | LOOSE | 0  | 21 |
| BROWN | SANDY CLAY | LOOSE | 21 | 48 |
| GREY  | SANDY CLAY | LOOSE | 48 | 84 |
| GREY  | LIMESTONE  | HARD  | 84 | 93 |

JUN 25 1986

002/162877 00486058177 0084258177 009321578

41 WATER RECORD

0092

10 15 20 25 30 35

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

52 CASING & OPEN HOLE RECORD

081 1.188 1 0085

85093

61 PLUGGING & SEALING RECORD

10 15 20 25 30 35

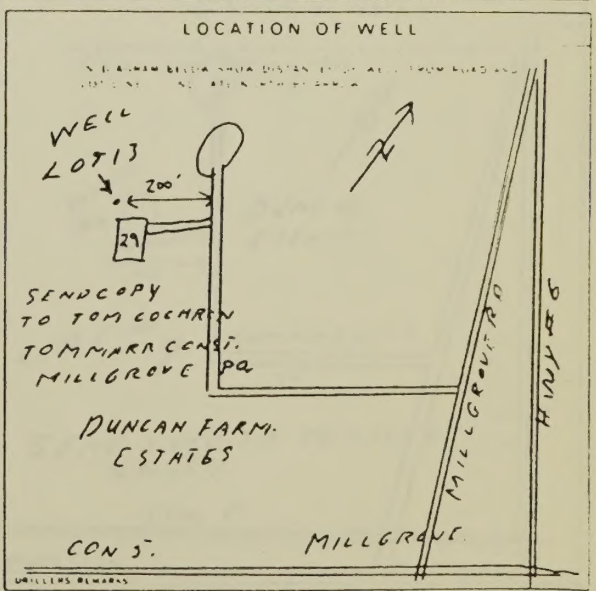
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71 PUMPING TEST

0020 01 00 17 18

027 038 028 027 027 027

087 0010



FINAL STATUS OF WELL

WATER USE

METHOD OF DRILLING

ACTOR

NAME OF WELL CONTRACTOR

OCONNOR WELL DRILLING LTD.

4005

RR #1 MILLGROVE ONT. LOR IVO

B. OCONNOR

CONTRACTOR

SUBMISSION DATE

DAY MO YR

OFFICE USE ONLY

DATE SOURCE

1

CONTRACTOR

405

DATE OF INSPECTION

July 19/85

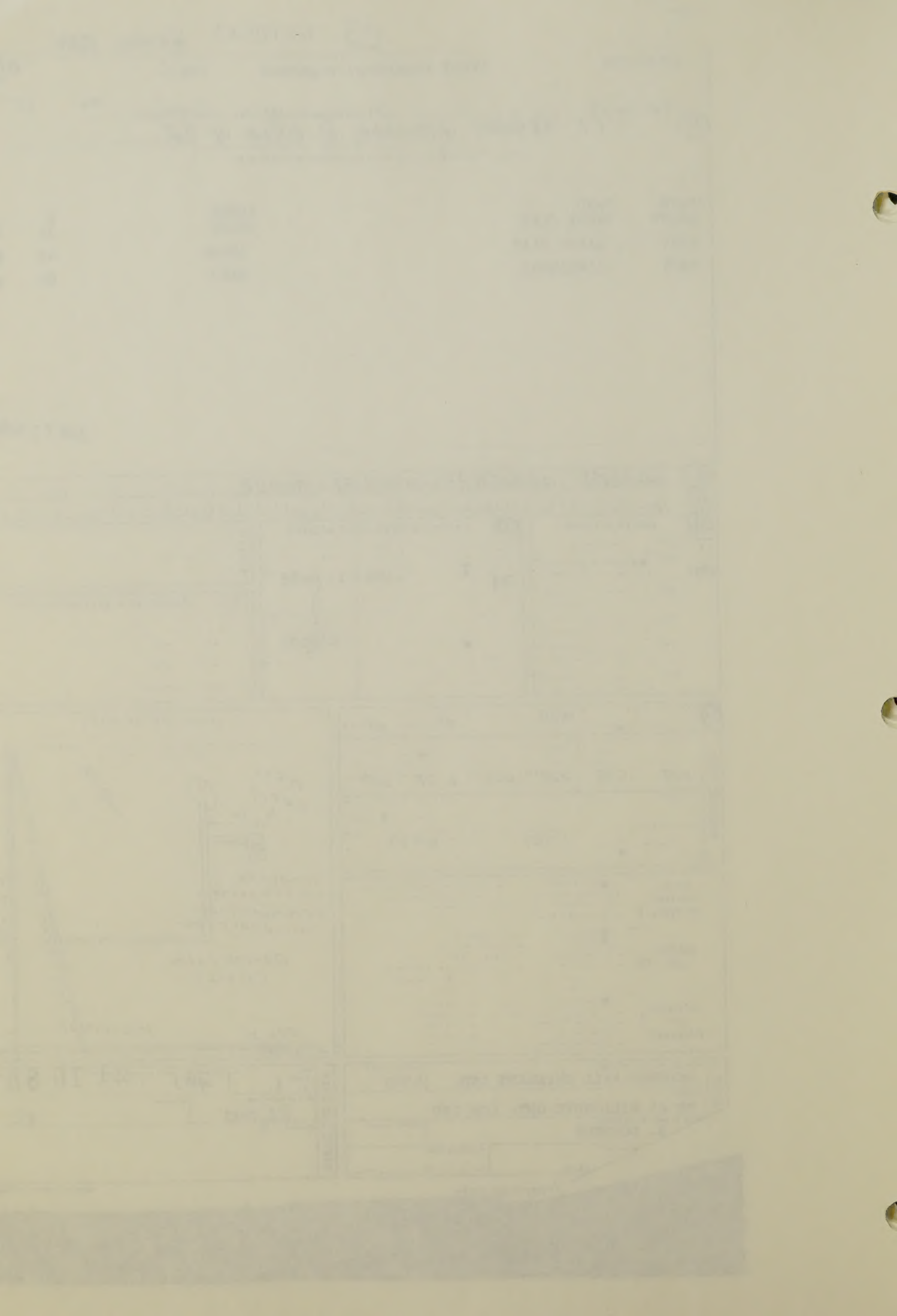
INSPECTION

21 10 83

REMARKS

km

IRONMENT COPY





COUNTY OF DISTRICT: **wentworth** (WEST FLAMBORO) FLAMBORO CON. 5  
 Greenway P 17 Cumminsville Dr. Waterdown  
 (21) 17 584060 4798880 4 0865 4 24  
 LOG OF OVERBURDEN AND BEDROCK MATERIALS  

| GENERAL COLOUR | COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | FROM | TO |
|----------------|-----------------|-----------------|---------------------|------|----|
| Brown          | SANDY CLAY      |                 | LOOSE               | 0    | 48 |
| GREY           | SANDY CLAY      |                 | LOOSE               | 48   | 83 |
| GREY           | LIMESTONE       |                 | HARD                | 83   | 88 |

 JUN 25 1986

31 00486458147 00832058177 008821373  
 32  
 (41) WATER RECORD (51) CASING & OPEN HOLE RECORD  

| WATER FOUND AT FEET | KIND OF WATER                       | WATER LEVEL | WATER LEVEL DURING | WATER LEVEL DURING | WATER LEVEL DURING | WATER LEVEL DURING | WATER LEVEL DURING |
|---------------------|-------------------------------------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 0085                | 1 FRESH 3 SULPHUR 4 SALTY 4 MINERAL | 032         | 055                | 034                | 032                | 032                | 032                |

 (61) PLUGGING & SEALING RECORD  
 SCREEN MATERIAL AND TYPE  
 PLUGGING MATERIAL AND TYPE

(71) PUMPING TEST METHOD 10 PUMPING RATE 161 15-16 17-18  
 1 PUMP 2 BAILER 6024  

| STATIC LEVEL | WATER LEVEL END OF PUMPING | WATER LEVEL DURING | WATER LEVEL DURING | WATER LEVEL DURING | WATER LEVEL DURING | WATER LEVEL DURING | WATER LEVEL DURING |
|--------------|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 032          | 055                        | 034                | 032                | 032                | 032                | 032                | 032                |

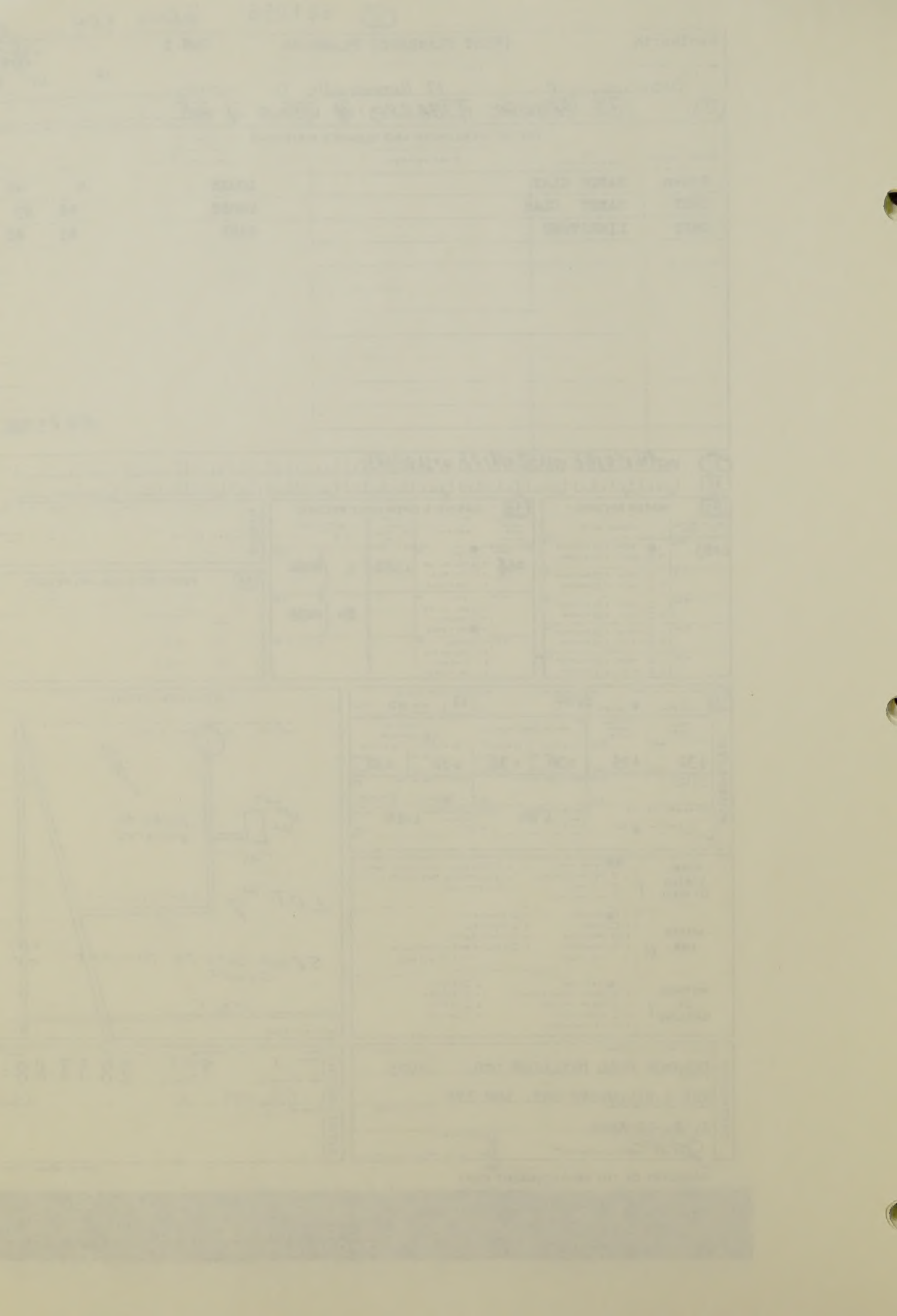
 RECOMMENDED PUMP TYPE 1 SHALLOW 2 DEEP 3 OTHER  
 RECOMMENDED PUMP SETTING 684  
 RECOMMENDED PUMPING RATE 0010  
 FINAL STATUS OF WELL 1 2 WATER SUPPLY 3 OBSERVATION WELL 4 TEST HOLE 5 RECHARGE WELL 6 ABANDONED - INSUFFICIENT SUPPLY 7 ABANDONED - POOR QUALITY 8 UNFINISHED  
 WATER USE 01 1 DOMESTIC 2 STOCK 3 IRRIGATION 4 INDUSTRIAL 5 OTHER 6 COMMERCIAL 7 MUNICIPAL 8 PUBLIC SUPPLY 9 COOLING OR AIR CONDITIONING 10 NOT USED  
 METHOD OF DRILLING 1 2 CABLE TOOL 3 ROTARY - CONVENTIONAL 4 ROTARY - REVERSE 5 ROTARY - AIR 6 AIR PERCUSSION 7 BORING 8 DIAMOND 9 JETTING 10 DRIVING

LOCATION OF WELL  
 IN DIAGRAM BELOW SHOW D STRALES OF WELL FROM ROAD AND LOT LINE AND A NORTH BY ARROW  

 LOT #7 CUMMINSVILLE ST  
 SEND COPY TO TOMMAR CONST.  
 CON. 5  
 DRILLERS REMARKS

CONTRACTOR NAME OF WELL CONTRACTOR OCONNOR WELL DRILLING LTD. LICENCE NUMBER 4005  
 ADDRESS RR# 1 MILLGROVE ONT. LOR LYO  
 NAME OF DRILLER OR BORE J. B. OCONNOR  
 SIGNATURE OF CONTRACTOR [Signature]  
 SUBMISSION DATE DAY MONTH YEAR

OFFICE USE ONLY DATA SOURCE 1 4005 23 11 83  
 DATE OF INSPECTION July 17/85  
 REMARKS [Signature]





1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 6810670 68005 CON 05 13

COUNTY OR DISTRICT: WENTWORTH  
TOWN OR CITY, VILLAGE OR RURAL SETTLEMENT: (EAST FLAMBORO) FLAMBORO  
OWNER (SURNAME FIRST): MOORE ERIC  
ADDRESS: 5371 RIVER SIDE DR.  
BURLINGTON ONT.  
DATE COMPLETED: 27 04 84

(21) 1.7 585.660 479.7920 4 0820 4 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |    |
|----------------|----------------------|-----------------|---------------------|--------------|----|
|                |                      |                 |                     | FROM         | TO |
| BROWN          | SANDY CLAY           |                 | LOOSE               | 0            | 14 |
| BROWN          | SAND & BOULDERS      |                 | LOOSE               | 14           | 15 |
| GREY           | SANDY CLAY           |                 | LOOSE               | 15           | 60 |
| GREY           | SAND                 |                 | LOOSE               | 60           | 75 |
| GREY           | SANDY CLAY           |                 | LOOSE               | 75           | 88 |
| GREY           | LIMESTONE            |                 | HARD                | 88           | 92 |

(31) 00146481377 00156481377 00602058197 007321877 00882018177 009221577

(32)

(41) WATER RECORD

| WATER FOUND AT - FEET | KIND OF WATER                          |
|-----------------------|----------------------------------------|
| 0-13                  | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |
| 13-16                 | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |
| 16-18                 | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |
| 18-20                 | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |
| 20-22                 | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |
| 22-24                 | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |
| 24-26                 | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |
| 26-28                 | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |
| 28-30                 | 1 FRESH 3 SULPHUR<br>2 SALTY 4 MINERAL |

(51) CASING & OPEN HOLE RECORD

| INSIDE DIA. INCHES | MATERIAL                                             | WELL THICKNESS INCHES | DEPTH FEET |
|--------------------|------------------------------------------------------|-----------------------|------------|
| 10-11              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE | .188                  | 1 0089     |
| 11-16              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE |                       | 89 0092    |
| 16-18              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE |                       |            |
| 18-20              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE |                       |            |
| 20-22              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE |                       |            |
| 22-24              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE |                       |            |
| 24-26              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE |                       |            |
| 26-28              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE |                       |            |
| 28-30              | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE |                       |            |

(61) PLUGGING & SEALING RECORD

| DEPTH SET AT FEET | MATERIAL AND TYPE | CEMENT GROUT LEAD PACKER ETC. |
|-------------------|-------------------|-------------------------------|
| FROM TO           |                   |                               |
| 10-12             |                   |                               |
| 12-14             |                   |                               |
| 14-16             |                   |                               |
| 16-18             |                   |                               |
| 18-20             |                   |                               |
| 20-22             |                   |                               |
| 22-24             |                   |                               |
| 24-26             |                   |                               |
| 26-28             |                   |                               |
| 28-30             |                   |                               |

(71) PUMPING TEST

PUMPING TEST METHOD: 1 PUMP 2 DRAILER

PUMPING RATE: 0030 GPM

DURATION OF PUMPING: 02 HOURS 00 MIN

WATER LEVELS DURING PUMPING:

| WATER LEVEL END OF PUMPING | 15 MINUTES | 30 MINUTES | 45 MINUTES | 60 MINUTES |
|----------------------------|------------|------------|------------|------------|
| 050                        | 060        | 050        | 050        | 050        |

IF FLOWING GIVE RATE: 050 GPM

PUMP INTAKE SET AT: 085 FEET

WATER AT END OF TEST: 0010 GPM

RECOMMENDED PUMP TYPE: 1 SHALLOW 2 DEEP

RECOMMENDED PUMP SETTING: 085 FEET

RECOMMENDED PUMPING RATE: 0010 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

2.7m to Centre Rd

CONOWE.

WELL #6

SECOND HOUSE

HWY #6

MILLGROVE

DRILLERS REMARKS:

CONTRACTOR

NAME OF WELL CONTRACTOR: OCONNOR WELL DRILLING LTD.

LICENCE NUMBER: 4005

ADDRESS: RR # 1 MILLGROVE ONT. LOR IVO

NAME OF DRILLER OR BORE: W. HOWE J.W. OCONNOR

LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [Signature]

SUBMISSION DATE: DAY MONTH YEAR

OFFICE USE ONLY

DATE OF INSPECTION: July 19/85

INSPECTOR: [Signature]

REMARKS:





JUN 25 1988

3) 001260581 004061873 00652058127 00816058117 008521573

| 61     |       | PLUGGING & SEALING RECORD |               |
|--------|-------|---------------------------|---------------|
| DATE   | TIME  | WATER END TIME            | WATER SHUT    |
| NO.    | IN    | OUT                       | LEAK PLUM ETC |
| NO. 13 | 14.13 |                           |               |
| 14.21  | 15.25 |                           |               |
| 25.18  | 30.33 | 30.50                     |               |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

LOT #4

WELL

15'

150'

CUMMINGSVILLE

MILLGROVE JUNCTION

HWY #6

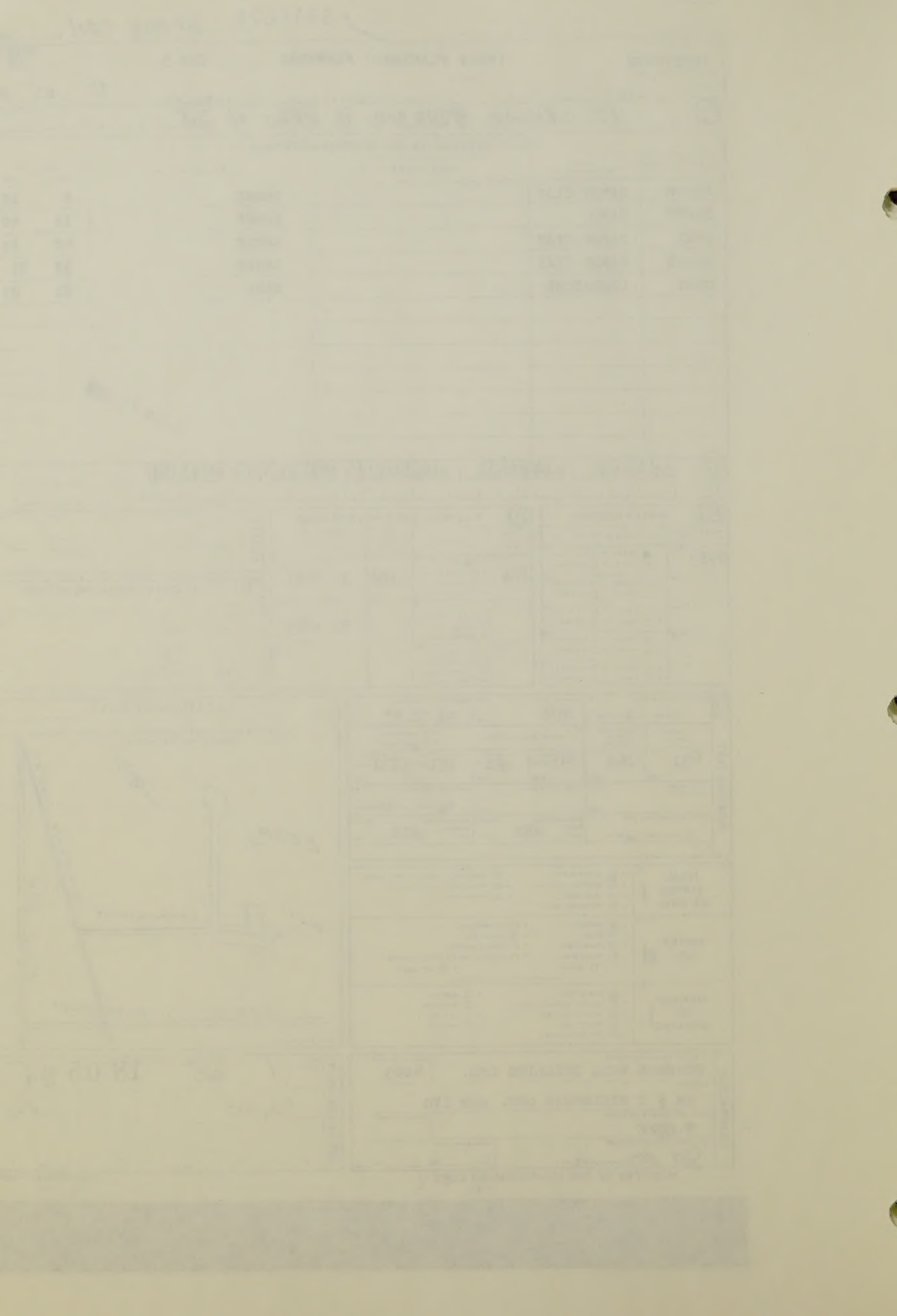
CON 5

MILLGROVE

DRILLERS RECORD

|                                            |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                       |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>FINAL<br/>STATUS<br/>OF WELL</b></p> | <p>1 <input checked="" type="checkbox"/> WATER SUPPLY<br/>2 <input type="checkbox"/> OBSERVATION WELL<br/>3 <input type="checkbox"/> TEST HOLE<br/>4 <input type="checkbox"/> RECHARGE WELL</p>                                                        | <p>8 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br/>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br/>7 <input type="checkbox"/> UNFINISHED</p>                                                                       |
| <p><b>WATER<br/>USE</b></p>                | <p>1 <input checked="" type="checkbox"/> DOMESTIC<br/>2 <input type="checkbox"/> STOCK<br/>3 <input type="checkbox"/> IRRIGATION<br/>4 <input type="checkbox"/> INDUSTRIAL<br/><input type="checkbox"/> OTHER</p>                                      | <p>5 <input type="checkbox"/> COMMERCIAL<br/>9 <input type="checkbox"/> MUNICIPAL<br/>7 <input type="checkbox"/> PUBLIC SUPPLY<br/>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br/>9 <input type="checkbox"/> NOT USED</p> |
| <p><b>METHOD<br/>OF<br/>DRILLING</b></p>   | <p>1 <input checked="" type="checkbox"/> CABLE TOOL<br/>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br/>3 <input type="checkbox"/> ROTARY (REVERSE)<br/>4 <input type="checkbox"/> ROTARY (AIR)<br/>5 <input type="checkbox"/> AIR PERCUSSION</p> | <p>6 <input type="checkbox"/> BORING<br/>7 <input type="checkbox"/> DIAMOND<br/>8 <input type="checkbox"/> JETTING<br/>9 <input type="checkbox"/> DRIVING</p>                                                                         |

|                 |                   |            |      |          |
|-----------------|-------------------|------------|------|----------|
| OFFICE USE ONLY | DATE              | 1          | 4005 | 18 05 84 |
|                 | SOURCE            |            |      |          |
|                 | DATE OF INTERVIEW | July 17/85 |      |          |
|                 | REMARKS           |            |      |          |







# WATER WELL RECORD

8810698

WENTWORTH

(WEST FLAMBORO) FLAMBORO

CON-5

18

Simons, E. 16 Cumminsville Dr Waterdown

13 6 84

## LOG OF OVERBURDEN AND BEDROCK MATERIALS

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH (FEET) |
|----------------|----------------------|-----------------|---------------------|--------------|
| BROWN          | SANDY CLAY           |                 | LOOSE               | 0 47         |
| GREY           | SANDY CLAY           |                 | LOOSE               | 47 70        |
| BROWN          | SANDY CLAY           |                 | LOOSE               | 70 84        |
| GREY           | LIMESTONE            |                 | HARD                | 84 105       |

31

32

41

### WATER RECORD

| WATER FOUND AT FEET | KIND OF WATER                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 103                 | FRESH <input checked="" type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL <input type="checkbox"/> |
| 15 18               | FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL <input type="checkbox"/>            |
| 20 23               | FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL <input type="checkbox"/>            |
| 25 28               | FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL <input type="checkbox"/>            |
| 30 33               | FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL <input type="checkbox"/>            |

51

### CASING & OPEN HOLE RECORD

| INSIDE DIA INCHES | WATER AT FEET | DEPTH FEET |
|-------------------|---------------|------------|
| 6 1/2             | 188           | 1 84       |
|                   | 84            | 105        |

61

### PLUGGING & SEALING RECORD

| DATE  | TIME     | DEPTH FEET |
|-------|----------|------------|
| 10 11 | 14 15    |            |
| 18 21 | 11 25    |            |
| 24 28 | 10 31 40 |            |

71

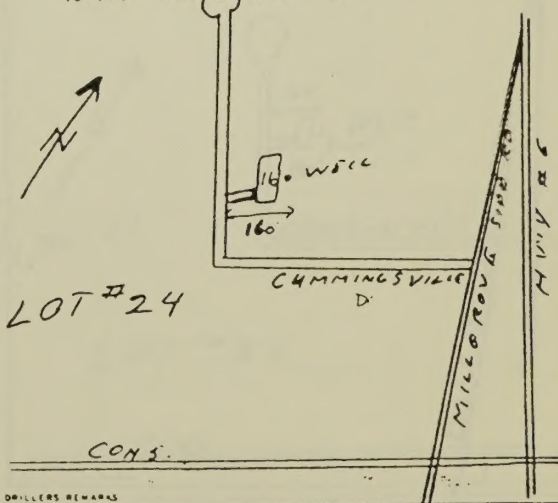
| PUMPING TEST METHOD                                                          | PUMPING RATE | WATER LEVEL END OF PUMPING | WATER LEVEL DURING PUMPING                                          |
|------------------------------------------------------------------------------|--------------|----------------------------|---------------------------------------------------------------------|
| 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILEY |              |                            |                                                                     |
| STATIC LEVEL                                                                 | 15 21        | 22 28                      | 15 MINUTES 20 28 30 MINUTES 26 31 45 MINUTES 32 34 60 MINUTES 35 37 |
| 35 FEET                                                                      |              | 55 FEET                    | 37 FEET 35 FEET 35 FEET 35 FEET                                     |

81

| FINAL STATUS OF WELL | <input type="checkbox"/> WATER SUPPLY <input type="checkbox"/> ABANDONED - INSUFFICIENT SUPPLY <input type="checkbox"/> OBSERVATION WELL <input type="checkbox"/> ABANDONED - POOR QUALITY <input type="checkbox"/> TEST HOLE <input type="checkbox"/> UNFINISHED <input type="checkbox"/> RECHARGE WELL                                                                     |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WATER USE            | <input type="checkbox"/> DOMESTIC <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> STOCK <input type="checkbox"/> MUNICIPAL <input type="checkbox"/> IRRIGATION <input type="checkbox"/> PUBLIC SUPPLY <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> COOLING OR AIR CONDITIONING <input type="checkbox"/> OTHER <input type="checkbox"/> NOT USED |
| METHOD OF DRILLING   | <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> BORING <input type="checkbox"/> ROTARY (CONVENTIONAL) <input type="checkbox"/> DIAMOND <input type="checkbox"/> ROTARY (REVERSE) <input type="checkbox"/> JETTING <input type="checkbox"/> ROTARY (AIR) <input type="checkbox"/> DRIVING <input type="checkbox"/> AIR PERCUSSION                                |

### LOCATION OF WELL

SEE DIAGRAM BELOW SHOWING DISTANCE OF WELL FROM ROAD AND LOT LINE. INDICATE LOCATION OF DRILLER.



CONTRACTOR

|                                  |      |
|----------------------------------|------|
| NAME OF WELL CONTRACTOR          | 4005 |
| ADDRESS                          |      |
| RR # 1 MILLGROVE ONT. LOR IYO    |      |
| NAME OF DRILLER OR BORE          |      |
| W. HOWE                          |      |
| SIGNATURE OF CONTRACTOR          |      |
| MINISTRY OF THE ENVIRONMENT COPY |      |

OFFICE USE ONLY

|                    |            |               |          |
|--------------------|------------|---------------|----------|
| DATE SOURCE        | CONTRACTOR | DATE RECEIVED | 26 07 84 |
| DATE OF INSPECTION | INSPECTOR  |               |          |
| July 17/85         |            |               |          |

# WATER WELL RECORD

WELL NO.

DATE OF RECORD  
NAME OF OWNER  
NAME OF DRILLER  
ADDRESS  
CITY  
STATE

DEPTH OF WELL  
DRAINAGE AREA  
TYPE OF WELL  
DATE OF COMPLETION

WATER QUANTITY  
WATER QUALITY  
WATER TEMPERATURE  
WATER PRESSURE

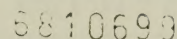
WATER LEVEL  
WATER TABLE  
WATER TABLE DEPTH  
WATER TABLE ELEVATION

WATER TABLE DEPTH  
WATER TABLE ELEVATION  
WATER TABLE DEPTH  
WATER TABLE ELEVATION

WATER TABLE DEPTH  
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WATER TABLE DEPTH  
WATER TABLE ELEVATION

WATER TABLE DEPTH  
WATER TABLE ELEVATION  
WATER TABLE DEPTH  
WATER TABLE ELEVATION





|                 |                                                                                   |               |           |               |          |
|-----------------|-----------------------------------------------------------------------------------|---------------|-----------|---------------|----------|
| OFFICE USE ONLY | DATA<br>SOURCE                                                                    | 39 CONTRACTOR | 39 42     | DATE RECEIVED | 83 89 30 |
|                 | <div style="text-align: right; font-size: 2em; font-weight: bold;">11 07 84</div> |               |           |               |          |
|                 | DATE OF INSPECTION                                                                |               | INSPECTOR |               |          |
|                 | <i>July 11/85</i>                                                                 |               | <i>KW</i> |               |          |
|                 | REMARKS                                                                           |               |           |               |          |





WATER WELL RECORD

6810712 68006 CON 018 18

COUNTY OR DISTRICT: WENTWORTH (WEST FLAMBORO) FLAMBORO

OWNER (SURNAME FIRST): Robertson

ADDRESS: 14 Cumminsville Dr Waterdown

DATE COMPLETED: 14 08 84

LOG OF OVERBURDEN AND BEDROCK MATERIALS

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |
|----------------|----------------------|-----------------|---------------------|--------------|
|                |                      |                 |                     | FROM TO      |
| BROWN          | SANDY CLAY           |                 | LOOSE               | 0 25         |
| BROWN          | SAND                 |                 | LOOSE               | 25 50        |
| GREY           | SANDY CLAY           |                 | LOOSE               | 50 70        |
| BROWN          | SANDY CLAY           |                 | LOOSE               | 70 84        |
| GREY           | LIMESTONE            |                 | HARD                | 84 89        |

21 17 584180 4798820 4 0865 14 24

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

JUN 27 1986

WATER RECORD

0086

WATER FOUND AT FEET: 0086

KIND OF WATER: 1 FRESH 3 SULPHUR 2 SALTY 4 MINERAL

CASING & OPEN HOLE RECORD

0084

WATER LEVEL: 1.188

DEPTH: 1 0084

84 0089

PLUGGING & SEALING RECORD

61

DEPTH SET AT FEET: 10-12 14-17 18-21 22-25 26-29 30-33 34-37 38-41 42-45 46-49 50-53 54-57 58-61 62-65 66-69 70-73 74-77 78-81 82-85 86-89 90-93 94-97 98-101 102-105 106-109 110-113 114-117 118-121 122-125 126-129 130-133 134-137 138-141 142-145 146-149 150-153 154-157 158-161 162-165 166-169 170-173 174-177 178-181 182-185 186-189 190-193 194-197 198-201 202-205 206-209 210-213 214-217 218-221 222-225 226-229 230-233 234-237 238-241 242-245 246-249 250-253 254-257 258-261 262-265 266-269 270-273 274-277 278-281 282-285 286-289 290-293 294-297 298-301 302-305 306-309 310-313 314-317 318-321 322-325 326-329 330-333 334-337 338-341 342-345 346-349 350-353 354-357 358-361 362-365 366-369 370-373 374-377 378-381 382-385 386-389 390-393 394-397 398-401 402-405 406-409 410-413 414-417 418-421 422-425 426-429 430-433 434-437 438-441 442-445 446-449 450-453 454-457 458-461 462-465 466-469 470-473 474-477 478-481 482-485 486-489 490-493 494-497 498-501 502-505 506-509 510-513 514-517 518-521 522-525 526-529 530-533 534-537 538-541 542-545 546-549 550-553 554-557 558-561 562-565 566-569 570-573 574-577 578-581 582-585 586-589 590-593 594-597 598-601 602-605 606-609 610-613 614-617 618-621 622-625 626-629 630-633 634-637 638-641 642-645 646-649 650-653 654-657 658-661 662-665 666-669 670-673 674-677 678-681 682-685 686-689 690-693 694-697 698-701 702-705 706-709 710-713 714-717 718-721 722-725 726-729 730-733 734-737 738-741 742-745 746-749 750-753 754-757 758-761 762-765 766-769 770-773 774-777 778-781 782-785 786-789 790-793 794-797 798-801 802-805 806-809 810-813 814-817 818-821 822-825 826-829 830-833 834-837 838-841 842-845 846-849 850-853 854-857 858-861 862-865 866-869 870-873 874-877 878-881 882-885 886-889 890-893 894-897 898-901 902-905 906-909 910-913 914-917 918-921 922-925 926-929 930-933 934-937 938-941 942-945 946-949 950-953 954-957 958-961 962-965 966-969 970-973 974-977 978-981 982-985 986-989 990-993 994-997 998-1001 1002-1005 1006-1009 1010-1013 1014-1017 1018-1021 1022-1025 1026-1029 1030-1033 1034-1037 1038-1041 1042-1045 1046-1049 1050-1053 1054-1057 1058-1061 1062-1065 1066-1069 1070-1073 1074-1077 1078-1081 1082-1085 1086-1089 1090-1093 1094-1097 1098-1101 1102-1105 1106-1109 1110-1113 1114-1117 1118-1121 1122-1125 1126-1129 1130-1133 1134-1137 1138-1141 1142-1145 1146-1149 1150-1153 1154-1157 1158-1161 1162-1165 1166-1169 1170-1173 1174-1177 1178-1181 1182-1185 1186-1189 1190-1193 1194-1197 1198-1201 1202-1205 1206-1209 1210-1213 1214-1217 1218-1221 1222-1225 1226-1229 1230-1233 1234-1237 1238-1241 1242-1245 1246-1249 1250-1253 1254-1257 1258-1261 1262-1265 1266-1269 1270-1273 1274-1277 1278-1281 1282-1285 1286-1289 1290-1293 1294-1297 1298-1301 1302-1305 1306-1309 1310-1313 1314-1317 1318-1321 1322-1325 1326-1329 1330-1333 1334-1337 1338-1341 1342-1345 1346-1349 1350-1353 1354-1357 1358-1361 1362-1365 1366-1369 1370-1373 1374-1377 1378-1381 1382-1385 1386-1389 1390-1393 1394-1397 1398-1401 1402-1405 1406-1409 1410-1413 1414-1417 1418-1421 1422-1425 1426-1429 1430-1433 1434-1437 1438-1441 1442-1445 1446-1449 1450-1453 1454-1457 1458-1461 1462-1465 1466-1469 1470-1473 1474-1477 1478-1481 1482-1485 1486-1489 1490-1493 1494-1497 1498-1501 1502-1505 1506-1509 1510-1513 1514-1517 1518-1521 1522-1525 1526-1529 1530-1533 1534-1537 1538-1541 1542-1545 1546-1549 1550-1553 1554-1557 1558-1561 1562-1565 1566-1569 1570-1573 1574-1577 1578-1581 1582-1585 1586-1589 1590-1593 1594-1597 1598-1601 1602-1605 1606-1609 1610-1613 1614-1617 1618-1621 1622-1625 1626-1629 1630-1633 1634-1637 1638-1641 1642-1645 1646-1649 1650-1653 1654-1657 1658-1661 1662-1665 1666-1669 1670-1673 1674-1677 1678-1681 1682-1685 1686-1689 1690-1693 1694-1697 1698-1701 1702-1705 1706-1709 1710-1713 1714-1717 1718-1721 1722-1725 1726-1729 1730-1733 1734-1737 1738-1741 1742-1745 1746-1749 1750-1753 1754-1757 1758-1761 1762-1765 1766-1769 1770-1773 1774-1777 1778-1781 1782-1785 1786-1789 1790-1793 1794-1797 1798-1801 1802-1805 1806-1809 1810-1813 1814-1817 1818-1821 1822-1825 1826-1829 1830-1833 1834-1837 1838-1841 1842-1845 1846-1849 1850-1853 1854-1857 1858-1861 1862-1865 1866-1869 1870-1873 1874-1877 1878-1881 1882-1885 1886-1889 1890-1893 1894-1897 1898-1901 1902-1905 1906-1909 1910-1913 1914-1917 1918-1921 1922-1925 1926-1929 1930-1933 1934-1937 1938-1941 1942-1945 1946-1949 1950-1953 1954-1957 1958-1961 1962-1965 1966-1969 1970-1973 1974-1977 1978-1981 1982-1985 1986-1989 1990-1993 1994-1997 1998-2001 2002-2005 2006-2009 2010-2013 2014-2017 2018-2021 2022-2025 2026-2029 2030-2033 2034-2037 2038-2041 2042-2045 2046-2049 2050-2053 2054-2057 2058-2061 2062-2065 2066-2069 2070-2073 2074-2077 2078-2081 2082-2085 2086-2089 2090-2093 2094-2097 2098-2101 2102-2105 2106-2109 2110-2113 2114-2117 2118-2121 2122-2125 2126-2129 2130-2133 2134-2137 2138-2141 2142-2145 2146-2149 2150-2153 2154-2157 2158-2161 2162-2165 2166-2169 2170-2173 2174-2177 2178-2181 2182-2185 2186-2189 2190-2193 2194-2197 2198-2201 2202-2205 2206-2209 2210-2213 2214-2217 2218-2221 2222-2225 2226-2229 2230-2233 2234-2237 2238-2241 2242-2245 2246-2249 2250-2253 2254-2257 2258-2261 2262-2265 2266-2269 2270-2273 2274-2277 2278-2281 2282-2285 2286-2289 2290-2293 2294-2297 2298-2301 2302-2305 2306-2309 2310-2313 2314-2317 2318-2321 2322-2325 2326-2329 2330-2333 2334-2337 2338-2341 2342-2345 2346-2349 2350-2353 2354-2357 2358-2361 2362-2365 2366-2369 2370-2373 2374-2377 2378-2381 2382-2385 2386-2389 2390-2393 2394-2397 2398-2401 2402-2405 2406-2409 2410-2413 2414-2417 2418-2421 2422-2425 2426-2429 2430-2433 2434-2437 2438-2441 2442-2445 2446-2449 2450-2453 2454-2457 2458-2461 2462-2465 2466-2469 2470-2473 2474-2477 2478-2481 2482-2485 2486-2489 2490-2493 2494-2497 2498-2501 2502-2505 2506-2509 2510-2513 2514-2517 2518-2521 2522-2525 2526-2529 2530-2533 2534-2537 2538-2541 2542-2545 2546-2549 2550-2553 2554-2557 2558-2561 2562-2565 2566-2569 2570-2573 2574-2577 2578-2581 2582-2585 2586-2589 2590-2593 2594-2597 2598-2601 2602-2605 2606-2609 2610-2613 2614-2617 2618-2621 2622-2625 2626-2629 2630-2633 2634-2637 2638-2641 2642-2645 2646-2649 2650-2653 2654-2657 2658-2661 2662-2665 2666-2669 2670-2673 2674-2677 2678-2681 2682-2685 2686-2689 2690-2693 2694-2697 2698-2701 2702-2705 2706-2709 2710-2713 2714-2717 2718-2721 2722-2725 2726-2729 2730-2733 2734-2737 2738-2741 2742-2745 2746-2749 2750-2753 2754-2757 2758-2761 2762-2765 2766-2769 2770-2773 2774-2777 2778-2781 2782-2785 2786-2789 2790-2793 2794-2797 2798-2801 2802-2805 2806-2809 2810-2813 2814-2817 2818-2821 2822-2825 2826-2829 2830-2833 2834-2837 2838-2841 2842-2845 2846-2849 2850-2853 2854-2857 2858-2861 2862-2865 2866-2869 2870-2873 2874-2877 2878-2881 2882-2885 2886-2889 2890-2893 2894-2897 2898-2901 2902-2905 2906-2909 2910-2913 2914-2917 2918-2921 2922-2925 2926-2929 2930-2933 2934-2937 2938-2941 2942-2945 2946-2949 2950-2953 2954-2957 2958-2961 2962-2965 2966-2969 2970-2973 2974-2977 2978-2981 2982-2985 2986-2989 2990-2993 2994-2997 2998-3001 3002-3005 3006-3009 3010-3013 3014-3017 3018-3021 3022-3025 3026-3029 3030-3033 3034-3037 3038-3041 3042-3045 3046-3049 3050-3053 3054-3057 3058-3061 3062-3065 3066-3069 3070-3073 3074-3077 3078-3081 3082-3085 3086-3089 3090-3093 3094-3097 3098-3101 3102-3105 3106-3109 3110-3113 3114-3117 3118-3121 3122-3125 3126-3129 3130-3133 3134-3137 3138-3141 3142-3145 3146-3149 3150-3153 3154-3157 3158-3161 3162-3165 3166-3169 3170-3173 3174-3177 3178-3181 3182-3185 3186-3189 3190-3193 3194-3197 3198-3201 3202-3205 3206-3209 3210-3213 3214-3217 3218-3221 3222-3225 3226-3229 3230-3233 3234-3237 3238-3241 3242-3245 3246-3249 3250-3253 3254-3257 3258-3261 3262-3265 3266-3269 3270-3273 3274-3277 3278-3281 3282-3285 3286-3289 3290-3293 3294-3297 3298-3301 3302-3305 3306-3309 3310-3313 3314-3317 3318-3321 3322-3325 3326-3329 3330-3333 3334-3337 3338-3341 3342-3345 3346-3349 3350-3353 3354-3357 3358-3361 3362-3365 3366-3369 3370-3373 3374-3377 3378-3381 3382-3385 3386-3389 3390-3393 3394-3397 3398-3401 3402-3405 3406-3409 3410-3413 3414-3417 3418-3421 3422-3425 3426-3429 3430-3433 3434-3437 3438-3441 3442-3445 3446-3449 3450-3453 3454-3457 3458-3461 3462-3465 3466-3469 3470-3473 3474-3477 3478-3481 3482-3485 3486-3489 3490-3493 3494-3497 3498-3501 3502-3505 3506-3509 3510-3513 3514-3517 3518-3521 3522-3525 3526-3529 3530-3533 3534-3537 3538-3541 3542-3545 3546-3549 3550-3553 3554-3557 3558-3561 3562-3565 3566-3569 3570-3573 3574-3577 3578-3581 3582-3585 3586-3589 3590-3593 3594-3597 3598-3601 3602-3605 3606-3609 3610-3613 3614-3617 3618-3621 3622-3625 3626-3629 3630-3633 3634-3637 3638-3641 3642-3645 3646-3649 3650-3653 3654-3657 3658-3661 3662-3665 3666-3669 3670-3673 3674-3677 3678-3681 3682-3685 3686-3689 3690-3693 3694-3697 3698-3701 3702-3705 3706-3709 3710-3713 3714-3717 3718-3721 3722-3725 3726-3729 3730-3733 3734-3737 3738-3741 3742-3745 3746-3749 3750-3753 3754-3757 3758-3761 3762-3765 3766-3769 3770-3773 3774-3777 3778-3781 3782-3785 3786-3789 3790-3793 3794-3797 3798-3801 3802-3805 3806-3809 3810-3813 3814-3817 3818-3821 3822-3825 3826-3829 3830-3833 3834-3837 3838-3841 3842-3845 3846-3849 3850-3853 3854-3857 3858-3861 3862-3865 3866-3869 3870-3873 3874-3877 3878-3881 3882-3885 3886-3889 3890-3893 3894-3897 3898-3901 3902-3905 3906-3909 3910-3913 3914-3917 3918-3921 3922-3925 3926-3929 3930-3933 3934-3937 3938-3941 3942-3945 3946-3949 3950-3953 3954-3957 3958-3961 3962-3965 3966-3969 3970-3973 3974-3977 3978-3981 3982-3985 3986-3989 3990-3993 3994-3997 3998-4001 4002-4005 4006-4009 4010-4013 4014-4017 4018-4021 4022-4025 4026-4029 4030-4033 4034-4037 4038-4041 4042-4045 4046-4049 4050-4053 4054-4057 4058-4061 4062-4065 4066-4069 4070-4073 4074-4077 4078-4081 4082-4085 4086-4089 4090-4093 4094-4097 4098-4101 4102-4105 4106-4109 4110-4113 4114-4117 4118-4121 4122-4125 4126-4129 4130-4133 4134-4137 4138-4141 4142-4145 4146-4149 4150-4153 4154-4157 4158-4161 4162-4165 4166-4169 4170-4173 4174-4177 4178-4181 4182-4185 4186-4189 4190-4193 4194-4197 4198-4201 4202-4205 4206-4209 4210-4213 4214-4217 4218-4221 4222-4225 4226-4229 4230-4233 4234-4237 4238-4241 4242-4245 4246-4249 4250-4253 4254-4257 4258-4261 4262-4265 4266-4269 4270-4273 4274-4277 4278-4281 4282-4285 4286-4289 4290-4293 4294-4297 4298-4301 4302-4305 4306-4309 4310-4313 4314-4317 4318-4321 4322-4325 4326-4329 4330-4333 4334-4337 4338-4341 4342-4345 4346-4349 4350-4353 4354-4357 4358-4361 4362-4365 4366-4369 4370-4373 4374-4377 4378-4381 4382-4385 4386-4389 4390-4393 4394-4397 4398-4401 4402-4405 4406-4409 4410-4413 4414-4417 4418-4421 4422-4425 4426-4429 4430-4433 4434-4437 4438-4441 4442-4445 4446-4449 4450-4453 4454-4457 4458-4461 4462-4465 4466-4469 4470-4473 4474-4477 4478-4481 4482-4485 4486-4489 4490-4493 4494-4497 4498-4501 4502-4505 4506-4509 4510-4513 4514-4517 4518-4521 4522-4525 4526-4529 4530-4533 4534-4537 4538-4541 4542-4545 4546-4549 4550-4553 4554-4557 4558-4561 4562-4565 4566-4569 4570-4573 4574-4577 4578-4581 4582-4585 4586-4589 4590-4593 4594-4597 4598-4601 4602-4605 4606-4609 4610-4613 4614-4617 4618-4621 4622-4625 4626-4629 4630-4633 4634-4637 4638-4641 4642-4645 4646-4649 4650-4653 4654-4657 4658-4661 4662-4665 4666-4669 4670-4673 4674-4677 4678-4681 4682-4685 4686-4689 4690-4693 4694-4697 4698-4701 4702-4705 4706-4709 4710-4713 4714-4717 4718-4721 4722-4725 4726-4729 4730-4733 4734-4737 4738-4741 4742-4745 4746-4749 4750-4753 4754-4757 4758-4761 4762-4765 4766-4769 4770-4773 4774-4777 4778-4781 4782-4785 4786-4789 4790-4793 4794-4797 4798-4801 4802-4805 4806-4809 4810-4813 4814-4817 4818-4821 4822-4825 4826-4829 4830-4833 4834-4837 4838-4841 4842-4845 4846-4849 4850-4853 4854-4857 4858-4861 4862-4865 4866-4869 4870-4873 4874-4877 4878-4881 4882-4885 4886-4889 4890-4893 4894-





COUNTY OR DISTRICT: WENTWORTH (WEST FLAMBORO) FLAMBORO CON. 5  
 G.H WHITE CORP. INC. KILBRIDE P.O.ONT. LOP IGO 30 Cumminsville Dr Waterdown 05 12 84

21 17 584100 4799120 4 08.75 4 24

| LOG OF OVERBURDEN AND BEDROCK MATERIALS |            |                 |                     |
|-----------------------------------------|------------|-----------------|---------------------|
| GENERAL COLOUR                          | MOISTURE   | OTHER MATERIALS | GENERAL DESCRIPTION |
| BROWN                                   | SANDY CLAY |                 | LOOSE 360 36        |
| GREY                                    | SANDY CLAY |                 | LOOSE 36 62         |
| BROWN                                   | SANDY CLAY |                 | LOOSE 62 80         |
| GREY                                    | LIMESTONE  |                 | HARD 80 86          |

JUN 27 1985

31 0036058177 00622058177 00806058177 0086216

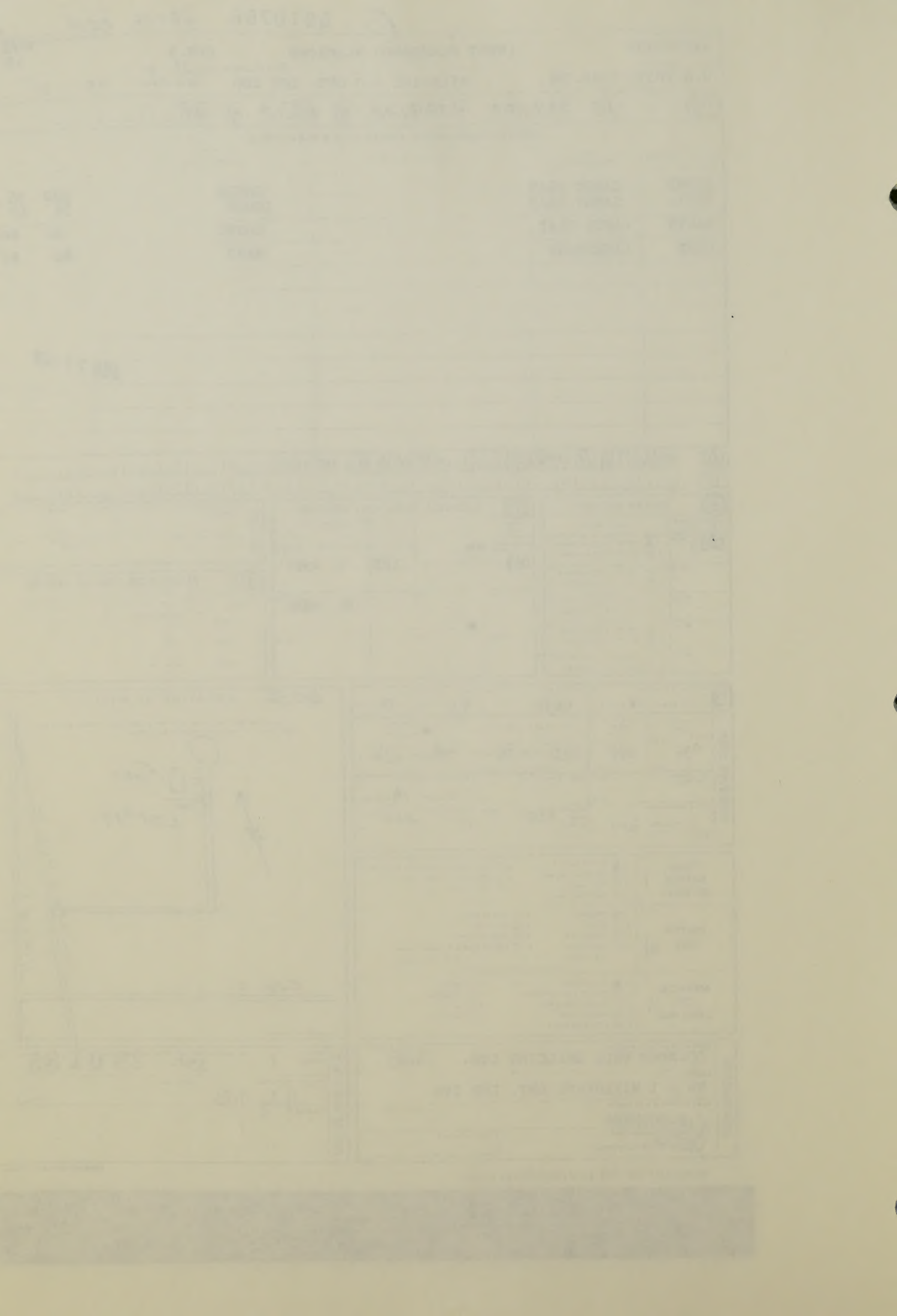
32

| WATER RECORD        |                     | CASING & OPEN HOLE RECORD |                  | SCREEN     |        |
|---------------------|---------------------|---------------------------|------------------|------------|--------|
| WATER FOUND AT FEET | KIND OF WATER       | INSIDE DIA. INCHES        | WATER LEVEL FEET | DEPTH FEET | SCREEN |
| 0083 10-12          | 1 FRESH 3 SULPHUR 4 | 10-11 1/2                 | 1.188            | 1 0080     |        |
| 15-18               | 2 SALTY 4 MINERAL   |                           |                  |            |        |
| 20-23               | 1 FRESH 3 SULPHUR 4 |                           |                  | 80 0086    |        |
| 25-28               | 2 SALTY 4 MINERAL   |                           |                  |            |        |
| 30-32               | 1 FRESH 3 SULPHUR 4 |                           |                  |            |        |
|                     | 2 SALTY 4 MINERAL   |                           |                  |            |        |

| PUMPING TEST        |                    | LOCATION OF WELL                                                                       |  |
|---------------------|--------------------|----------------------------------------------------------------------------------------|--|
| PUMPING TEST METHOD | PUMPING RATE       | IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW |  |
| 1 PUMP 2 BAILEY     | 0030               | 6036                                                                                   |  |
| STATIC LEVEL        | WATER LEVEL DURING | WELL                                                                                   |  |
| 034 10-21           | 050 12-22          | LOT #17                                                                                |  |
| 035 24-28           | 034 24-31          | 160'                                                                                   |  |
| 034 24-31           | 034 24-31          | MILLGROVE SIDE RD                                                                      |  |
| 034 24-31           | 034 24-31          | HWY #6                                                                                 |  |
| 034 24-31           | 034 24-31          | CON. 5                                                                                 |  |

| FINAL STATUS OF WELL |                    | WATER USE       |                               | METHOD OF DRILLING |                         |
|----------------------|--------------------|-----------------|-------------------------------|--------------------|-------------------------|
| 1 WATER SUPPLY       | 2 OBSERVATION WELL | 1 DOMESTIC      | 2 STOCK                       | 1 CABLE TOOL       | 2 ROTARY (CONVENTIONAL) |
| 3 TEST HOLE          | 4 RECHARGE WELL    | 3 IRRIGATION    | 4 INDUSTRIAL                  | 3 ROTARY (REVERSE) | 4 ROTARY (AIR)          |
|                      |                    | 5 OTHER         |                               | 5 AIR PERCUSSION   |                         |
|                      |                    | 6 COMMERCIAL    | 7 MUNICIPAL                   | 6 BOREING          | 7 DIAMOND               |
|                      |                    | 8 PUBLIC SUPPLY | 9 COOLING OR AIR CONDITIONING | 8 JETTING          | 9 DRIVING               |
|                      |                    | 10 NOT USED     |                               |                    |                         |

| CONTRACTOR                 |                               | OFFICE USE ONLY    |             |
|----------------------------|-------------------------------|--------------------|-------------|
| NAME OF WELL CONTRACTOR    | ADDRESS                       | DATA SOURCE        | CONTRACTOR  |
| OCONNOR WELL DRILLING LTD. | RR # 1 MILLGROVE ONT. LOR IVO | 1                  | 4005        |
| NAME OF DRILLER OR BORE    | SIGNATURE OF CONTRACTOR       | DATE OF INSPECTION | INSPECTION  |
| J.B. OCONNOR               | [Signature]                   | July 17/85         | [Signature] |
| SUBMISSION DATE            | DATE                          |                    |             |
|                            |                               |                    |             |





## WATER WELL RECORD

6810933

IN SPACES PROVIDED

DIRECT BOX WHERE APPLICABLE

|                                                                  |                                          |           |
|------------------------------------------------------------------|------------------------------------------|-----------|
| TOWNSHIP, RURAL, CITY, TOWN, VILLAGE<br>(WEST FLAMBORO) FLAMBORO | CON. BLOCK, DIST. SUPPLY, ETC.<br>CON. 5 | LOT<br>18 |
| ADDRESS<br>RR # 1 MILLGROVE ONT. LOR IVO                         | DATE COMPLETED<br>25 11 85               |           |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH FEET |    |
|-----------------|---------------------|------------|----|
|                 |                     | FROM       | TO |
|                 | LOOSE               | 0          | 20 |
|                 | LOOSE               | 20         | 35 |
|                 | LOOSE               | 35         | 55 |
|                 | LOOSE               | 55         | 65 |
|                 | LOOSE               | 65         | 73 |
|                 | HARD                | 73         | 78 |
|                 |                     |            |    |
|                 |                     |            |    |
|                 |                     |            |    |
|                 |                     |            |    |
|                 |                     |            |    |
|                 |                     |            |    |
|                 |                     |            |    |
|                 |                     |            |    |
|                 |                     |            |    |
|                 |                     |            |    |

| 51 CASING & OPEN HOLE RECORD |                                                                                                                         |                       |            |    |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|----|
| INSIDE DIAM. INCHES          | MATERIAL                                                                                                                | WALL THICKNESS INCHES | DEPTH FEET |    |
|                              |                                                                                                                         |                       | FROM       | TO |
| 6 1/2                        | STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE | .188                  | 1          | 73 |
| 17-18                        | STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE |                       | 73         | 78 |
| 24-25                        | STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE |                       |            |    |

|        |                               |                        |                |
|--------|-------------------------------|------------------------|----------------|
| SCREEN | SIZE OF OPENING<br>SLOT NO. 1 | DIAMETER<br>INCHES     | LENGTH<br>FEET |
|        | WATER REL. AND TYPE           | DEPTH TO TOP OF SCREEN |                |

| 61 PLUGGING & SEALING RECORD |                   |                                  |  |
|------------------------------|-------------------|----------------------------------|--|
| DEPTH SET AT FEET            | MATERIAL AND TYPE | CEMENT GROUT<br>LEAD PACKER ETC. |  |
| FROM                         | TO                |                                  |  |
| 10-11                        |                   |                                  |  |
| 14-15                        |                   |                                  |  |
| 24-25                        |                   |                                  |  |
| 26-27                        |                   |                                  |  |

|                           |       |       |
|---------------------------|-------|-------|
| 11-12 DURATION OF PUMPING | 15-16 | 17-18 |
| GPM                       | 1     |       |
| FEET DURING               | 19-20 | 21-22 |
| 30 MINUTES                | 30    | 30    |
| FEET                      |       |       |
| WATER AT END OF TEST      | 23-24 | 25-26 |
| FEET                      | 74    | 10    |
| RECOMMENDED PUMPING RATE  |       |       |

|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> ABANDONED - INSUFFICIENT SUPPLY<br><input type="checkbox"/> ABANDONED - POOR QUALITY<br><input type="checkbox"/> UNFINISHED<br><br><input type="checkbox"/> COMMERCIAL<br><input type="checkbox"/> MUNICIPAL<br><input type="checkbox"/> PUBLIC SUPPLY<br><input type="checkbox"/> COOLING OR AIR CONDITIONING<br><input type="checkbox"/> NOT USED | 4 <input type="checkbox"/> BORING<br>5 <input type="checkbox"/> DIAMOND<br>6 <input type="checkbox"/> JETTING<br>7 <input type="checkbox"/> DRIVING |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

| LOCATION OF WELL                                                                         |  |
|------------------------------------------------------------------------------------------|--|
| IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. |  |
|                                                                                          |  |
| DRILLER'S REMARKS                                                                        |  |

|                 |                        |
|-----------------|------------------------|
| WELL LTD.       | LICENCE NUMBER<br>4005 |
| F. LOR IVO      |                        |
| OR              | LICENCE NUMBER         |
| SUBMISSION DATE |                        |
| DAY             | NO                     |

|                    |    |            |    |               |    |
|--------------------|----|------------|----|---------------|----|
| DATE SOURCE        | 19 | CONTRACTOR | 19 | DATE RECEIVED | 19 |
| DATE OF INSPECTION |    | INSPECTOR  |    |               |    |
| REMARKS            |    |            |    |               |    |

ENT COPY

FORM NO. 0506-4-77 FORM 1







# WATER WELL RECORD

229022



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION  
WATER WELL RECORD

NAME OF WELL: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
DATE OF RECORD: \_\_\_\_\_

| DATE | TIME | WELL NO. | WELL DEPTH | WELL TYPE | WELL STATUS |
|------|------|----------|------------|-----------|-------------|
| 1900 | 12   | 1000     | 100        | 100       | 100         |
| 1901 | 12   | 1000     | 100        | 100       | 100         |
| 1902 | 12   | 1000     | 100        | 100       | 100         |
| 1903 | 12   | 1000     | 100        | 100       | 100         |
| 1904 | 12   | 1000     | 100        | 100       | 100         |
| 1905 | 12   | 1000     | 100        | 100       | 100         |
| 1906 | 12   | 1000     | 100        | 100       | 100         |
| 1907 | 12   | 1000     | 100        | 100       | 100         |
| 1908 | 12   | 1000     | 100        | 100       | 100         |
| 1909 | 12   | 1000     | 100        | 100       | 100         |
| 1910 | 12   | 1000     | 100        | 100       | 100         |

| DATE | TIME | WELL NO. | WELL DEPTH | WELL TYPE | WELL STATUS |
|------|------|----------|------------|-----------|-------------|
| 1911 | 12   | 1000     | 100        | 100       | 100         |
| 1912 | 12   | 1000     | 100        | 100       | 100         |
| 1913 | 12   | 1000     | 100        | 100       | 100         |
| 1914 | 12   | 1000     | 100        | 100       | 100         |
| 1915 | 12   | 1000     | 100        | 100       | 100         |
| 1916 | 12   | 1000     | 100        | 100       | 100         |
| 1917 | 12   | 1000     | 100        | 100       | 100         |
| 1918 | 12   | 1000     | 100        | 100       | 100         |
| 1919 | 12   | 1000     | 100        | 100       | 100         |
| 1920 | 12   | 1000     | 100        | 100       | 100         |

| DATE | TIME | WELL NO. | WELL DEPTH | WELL TYPE | WELL STATUS |
|------|------|----------|------------|-----------|-------------|
| 1921 | 12   | 1000     | 100        | 100       | 100         |
| 1922 | 12   | 1000     | 100        | 100       | 100         |
| 1923 | 12   | 1000     | 100        | 100       | 100         |
| 1924 | 12   | 1000     | 100        | 100       | 100         |
| 1925 | 12   | 1000     | 100        | 100       | 100         |
| 1926 | 12   | 1000     | 100        | 100       | 100         |
| 1927 | 12   | 1000     | 100        | 100       | 100         |
| 1928 | 12   | 1000     | 100        | 100       | 100         |
| 1929 | 12   | 1000     | 100        | 100       | 100         |
| 1930 | 12   | 1000     | 100        | 100       | 100         |

| DATE | TIME | WELL NO. | WELL DEPTH | WELL TYPE | WELL STATUS |
|------|------|----------|------------|-----------|-------------|
| 1931 | 12   | 1000     | 100        | 100       | 100         |
| 1932 | 12   | 1000     | 100        | 100       | 100         |
| 1933 | 12   | 1000     | 100        | 100       | 100         |
| 1934 | 12   | 1000     | 100        | 100       | 100         |
| 1935 | 12   | 1000     | 100        | 100       | 100         |
| 1936 | 12   | 1000     | 100        | 100       | 100         |
| 1937 | 12   | 1000     | 100        | 100       | 100         |
| 1938 | 12   | 1000     | 100        | 100       | 100         |
| 1939 | 12   | 1000     | 100        | 100       | 100         |
| 1940 | 12   | 1000     | 100        | 100       | 100         |



# WATER WELL RECORD

6811062

1 PRINT ONLY IN SPACES PROVIDED  
2 CHECK ☒ CORRECT BOX WHERE APPLICABLE

|                                            |                                                     |                                       |           |
|--------------------------------------------|-----------------------------------------------------|---------------------------------------|-----------|
| COUNTY OR DISTRICT<br>HAMILTON-WENTWORTH 4 | TOWNSHIP BOROUGH CITY TOWN VILLAGE<br>WEST FLAMBORO | CON. BLOCK TRACT SURVEY ETC<br>5      | LOT<br>17 |
| OWNER (SURNAME FIRST)<br>MILLGROVE ORCHARD | ADDRESS<br>PO BOX 202 MILLGROVE                     | DATE COMPLETED<br>DAY 31 MO 7 YEAR 80 |           |

[illegible][illegible]

| 41 WATER RECORD       |                                                                                | 51 CASING & OPEN HOLE RECORD |                                                |                       |              | 61 SCREEN                     |        |
|-----------------------|--------------------------------------------------------------------------------|------------------------------|------------------------------------------------|-----------------------|--------------|-------------------------------|--------|
| WATER FOUND AT - FEET | KIND OF WATER                                                                  | INSIDE DIA INCHES            | MATERIAL                                       | WALL THICKNESS INCHES | DEPTH - FEET | SIZE OF OPENING<br>"SLOT" NO. | SCREEN |
|                       |                                                                                |                              |                                                |                       | FROM TO      |                               |        |
| 10-13                 | 1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR | 10-11                        | 1 <input type="checkbox"/> STEEL               |                       | 10-14        |                               |        |
| 22-32                 | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            | 36                           | 2 <input type="checkbox"/> GALVANIZED          |                       |              |                               |        |
| 13-18                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR            |                              | 3 <input checked="" type="checkbox"/> CONCRETE |                       |              |                               |        |
|                       | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |                              | 4 <input type="checkbox"/> OPEN HOLE           |                       |              |                               |        |
| 20-23                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR            | 17-18                        | 1 <input type="checkbox"/> STEEL               |                       | 20-23        |                               |        |
|                       | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |                              | 2 <input type="checkbox"/> GALVANIZED          |                       |              |                               |        |
| 23-28                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR            |                              | 3 <input type="checkbox"/> CONCRETE            |                       |              |                               |        |
|                       | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |                              | 4 <input type="checkbox"/> OPEN HOLE           |                       |              |                               |        |
| 30-33                 | 1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR            | 24-25                        | 1 <input type="checkbox"/> STEEL               |                       | 27-30        |                               |        |
|                       | 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL            |                              | 2 <input type="checkbox"/> GALVANIZED          |                       |              |                               |        |
|                       |                                                                                |                              | 3 <input type="checkbox"/> CONCRETE            |                       |              |                               |        |
|                       |                                                                                |                              | 4 <input type="checkbox"/> OPEN HOLE           |                       |              |                               |        |

| 61 PLUGGING & SEALING RECORD |                   |                                 |        |
|------------------------------|-------------------|---------------------------------|--------|
| DEPTH SET AT FEET            | MATERIAL AND TYPE | CEMENT GROUT<br>LEAD HOOKS ETC. | SCREEN |
| FROM TO                      |                   |                                 |        |
| 10-13                        | 14-17             |                                 |        |
| 18-21                        | 21-23             |                                 |        |
| 24-29                        | 30-32             |                                 |        |

|                                                                           |                                                                   |                          |                            |                                                                    |                                                                           |                          |  |
|---------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------|----------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------|--|
| PUMPING TEST METHOD                                                       | 1 <input type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER |                          | PUMPING RATE               |                                                                    | DURATION OF PUMPING                                                       |                          |  |
|                                                                           |                                                                   |                          | GPM                        |                                                                    | 15 MIN<br>HOURS<br>MIN                                                    |                          |  |
|                                                                           | STATIC LEVEL                                                      |                          | WATER LEVEL END OF PUMPING |                                                                    | 1 <input type="checkbox"/> PUMPING<br>2 <input type="checkbox"/> RECOVERY |                          |  |
|                                                                           | 19-21                                                             |                          | 22-24                      |                                                                    | 25                                                                        |                          |  |
|                                                                           | 22                                                                |                          | 15 MINUTES                 |                                                                    | 30 MINUTES                                                                |                          |  |
|                                                                           | FEET                                                              |                          | FEET                       |                                                                    | FEET                                                                      |                          |  |
| IF FLOWING GIVE RATE                                                      |                                                                   | 32-41                    |                            | PUMP INTAKE SET AT                                                 |                                                                           | WATER AT END OF TEST     |  |
| GPM                                                                       |                                                                   | FEET                     |                            | 1 <input type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY |                                                                           |                          |  |
| RECOMMENDED PUMP TYPE                                                     |                                                                   | RECOMMENDED PUMP SETTING |                            | 43-45                                                              |                                                                           | RECOMMENDED PUMPING RATE |  |
| <input checked="" type="checkbox"/> SHALLOW <input type="checkbox"/> DEEP |                                                                   |                          |                            | FEET                                                               |                                                                           | GPM                      |  |
| 30-33                                                                     |                                                                   |                          |                            |                                                                    |                                                                           |                          |  |

|                                     |               |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                            |
|-------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FINAL<br/>STATUS<br/>OF WELL</b> | <b>24</b>     | 1 <input type="checkbox"/> WATER SUPPLY<br>2 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                                       | 5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED                                                                     |
|                                     | <b>25, 26</b> | 1 <input type="checkbox"/> DOMESTIC<br>2 <input type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br><input type="checkbox"/> OTHER _____                                | 5 <input type="checkbox"/> COMMERCIAL<br>6 <input type="checkbox"/> MUNICIPAL<br>7 <input type="checkbox"/> PUBLIC SUPPLY<br>8 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br>9 <input type="checkbox"/> NOT USED |
| <b>METHOD<br/>OF<br/>DRILLING</b>   | <b>57</b>     | 1 <input type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAMOND<br>8 <input type="checkbox"/> JETTING<br>9 <input type="checkbox"/> DRIVING                                                                        |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND  
LOT LINE INDICATE NORTH BY ARROW

?

DRILLERS REMARKS

|            |                         |     |                 |
|------------|-------------------------|-----|-----------------|
| CONTRACTOR | NAME OF WELL CONTRACTOR |     | LICENCE NUMBER  |
|            | Johnson & Baetz         |     | 3030            |
|            | ADDRESS                 |     |                 |
|            | R R #1 Mt. Pleasant     |     |                 |
|            | NAME OF DRILLER OR BORE |     | LICENCE NUMBER  |
|            | SIGNATURE OF CONTRACTOR |     | SUBMISSION DATE |
|            |                         | DAY | MO. YR.         |

|                 |                    |    |            |       |               |       |    |
|-----------------|--------------------|----|------------|-------|---------------|-------|----|
| OFFICE USE ONLY | DATA SOURCE        | 58 | CONTRACTOR | 59-62 | DATE RECEIVED | 63-68 | 69 |
|                 | DATE OF INSPECTION |    | INSPECTOR  |       | 250986        |       |    |
|                 | REMARKS            |    |            |       |               |       |    |

WATER WELL RECORD

0011001

WELL NO. 1  
DATE OF RECORD 10/1/50  
WELL DEPTH 100 FT.  
WELL TYPE 1

| DATE     | TIME  | WELL DEPTH | WELL TYPE |
|----------|-------|------------|-----------|
| 10/1/50  | 10:00 | 100        | 1         |
| 10/2/50  | 10:00 | 100        | 1         |
| 10/3/50  | 10:00 | 100        | 1         |
| 10/4/50  | 10:00 | 100        | 1         |
| 10/5/50  | 10:00 | 100        | 1         |
| 10/6/50  | 10:00 | 100        | 1         |
| 10/7/50  | 10:00 | 100        | 1         |
| 10/8/50  | 10:00 | 100        | 1         |
| 10/9/50  | 10:00 | 100        | 1         |
| 10/10/50 | 10:00 | 100        | 1         |
| 10/11/50 | 10:00 | 100        | 1         |
| 10/12/50 | 10:00 | 100        | 1         |
| 10/13/50 | 10:00 | 100        | 1         |
| 10/14/50 | 10:00 | 100        | 1         |
| 10/15/50 | 10:00 | 100        | 1         |
| 10/16/50 | 10:00 | 100        | 1         |
| 10/17/50 | 10:00 | 100        | 1         |
| 10/18/50 | 10:00 | 100        | 1         |
| 10/19/50 | 10:00 | 100        | 1         |
| 10/20/50 | 10:00 | 100        | 1         |
| 10/21/50 | 10:00 | 100        | 1         |
| 10/22/50 | 10:00 | 100        | 1         |
| 10/23/50 | 10:00 | 100        | 1         |
| 10/24/50 | 10:00 | 100        | 1         |
| 10/25/50 | 10:00 | 100        | 1         |
| 10/26/50 | 10:00 | 100        | 1         |
| 10/27/50 | 10:00 | 100        | 1         |
| 10/28/50 | 10:00 | 100        | 1         |
| 10/29/50 | 10:00 | 100        | 1         |
| 10/30/50 | 10:00 | 100        | 1         |
| 10/31/50 | 10:00 | 100        | 1         |

| DATE     | TIME  | WELL DEPTH | WELL TYPE |
|----------|-------|------------|-----------|
| 10/1/50  | 10:00 | 100        | 1         |
| 10/2/50  | 10:00 | 100        | 1         |
| 10/3/50  | 10:00 | 100        | 1         |
| 10/4/50  | 10:00 | 100        | 1         |
| 10/5/50  | 10:00 | 100        | 1         |
| 10/6/50  | 10:00 | 100        | 1         |
| 10/7/50  | 10:00 | 100        | 1         |
| 10/8/50  | 10:00 | 100        | 1         |
| 10/9/50  | 10:00 | 100        | 1         |
| 10/10/50 | 10:00 | 100        | 1         |
| 10/11/50 | 10:00 | 100        | 1         |
| 10/12/50 | 10:00 | 100        | 1         |
| 10/13/50 | 10:00 | 100        | 1         |
| 10/14/50 | 10:00 | 100        | 1         |
| 10/15/50 | 10:00 | 100        | 1         |
| 10/16/50 | 10:00 | 100        | 1         |
| 10/17/50 | 10:00 | 100        | 1         |
| 10/18/50 | 10:00 | 100        | 1         |
| 10/19/50 | 10:00 | 100        | 1         |
| 10/20/50 | 10:00 | 100        | 1         |
| 10/21/50 | 10:00 | 100        | 1         |
| 10/22/50 | 10:00 | 100        | 1         |
| 10/23/50 | 10:00 | 100        | 1         |
| 10/24/50 | 10:00 | 100        | 1         |
| 10/25/50 | 10:00 | 100        | 1         |
| 10/26/50 | 10:00 | 100        | 1         |
| 10/27/50 | 10:00 | 100        | 1         |
| 10/28/50 | 10:00 | 100        | 1         |
| 10/29/50 | 10:00 | 100        | 1         |
| 10/30/50 | 10:00 | 100        | 1         |
| 10/31/50 | 10:00 | 100        | 1         |

| DATE     | TIME  | WELL DEPTH | WELL TYPE |
|----------|-------|------------|-----------|
| 10/1/50  | 10:00 | 100        | 1         |
| 10/2/50  | 10:00 | 100        | 1         |
| 10/3/50  | 10:00 | 100        | 1         |
| 10/4/50  | 10:00 | 100        | 1         |
| 10/5/50  | 10:00 | 100        | 1         |
| 10/6/50  | 10:00 | 100        | 1         |
| 10/7/50  | 10:00 | 100        | 1         |
| 10/8/50  | 10:00 | 100        | 1         |
| 10/9/50  | 10:00 | 100        | 1         |
| 10/10/50 | 10:00 | 100        | 1         |
| 10/11/50 | 10:00 | 100        | 1         |
| 10/12/50 | 10:00 | 100        | 1         |
| 10/13/50 | 10:00 | 100        | 1         |
| 10/14/50 | 10:00 | 100        | 1         |
| 10/15/50 | 10:00 | 100        | 1         |
| 10/16/50 | 10:00 | 100        | 1         |
| 10/17/50 | 10:00 | 100        | 1         |
| 10/18/50 | 10:00 | 100        | 1         |
| 10/19/50 | 10:00 | 100        | 1         |
| 10/20/50 | 10:00 | 100        | 1         |
| 10/21/50 | 10:00 | 100        | 1         |
| 10/22/50 | 10:00 | 100        | 1         |
| 10/23/50 | 10:00 | 100        | 1         |
| 10/24/50 | 10:00 | 100        | 1         |
| 10/25/50 | 10:00 | 100        | 1         |
| 10/26/50 | 10:00 | 100        | 1         |
| 10/27/50 | 10:00 | 100        | 1         |
| 10/28/50 | 10:00 | 100        | 1         |
| 10/29/50 | 10:00 | 100        | 1         |
| 10/30/50 | 10:00 | 100        | 1         |
| 10/31/50 | 10:00 | 100        | 1         |



# WATER WELL RECORD

ment

6811355

PRINT ONLY IN SPACES PROVIDED

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

|                                      |                             |                             |           |           |
|--------------------------------------|-----------------------------|-----------------------------|-----------|-----------|
| TOWNSHIP BORDERS CITY TOWN & VILLAGE |                             | CON. BLOCK TRACT PLAT. ETC. |           | CON.      |
| (WEST FLAMBORO) FLAMBORO             |                             | CON. 4                      |           | 18        |
| ADDRESS                              |                             | TOWN                        |           | YEAR      |
| SANDY                                | MILLGROVE P.O. ONT. LOR IVO | 17                          |           | 12        |
| RE                                   | EASTING                     | NORTHING                    | ELEVATION | SEA LEVEL |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

[illegible]

| RECORD      |                                     | 51 CASING & OPEN HOLE RECORD |                                                                                                                                                                                                 |                               |              | SCREEN | SIZE OF OPENING<br>- SLOT NO. 1 |  | Diameter |  | Length |  |  |
|-------------|-------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------|--------|---------------------------------|--|----------|--|--------|--|--|
| NO OF WATER |                                     | INSIDE<br>DIAM<br>(INCHES)   | MATERIAL                                                                                                                                                                                        | WALL<br>THICKNESS<br>(INCHES) | DEPTH - FEET |        | INCHES                          |  |          |  |        |  |  |
|             |                                     |                              |                                                                                                                                                                                                 |                               | FROM         |        | FEET                            |  |          |  |        |  |  |
|             |                                     |                              |                                                                                                                                                                                                 |                               | TO           |        | MATERIAL AND TYPE               |  |          |  |        |  |  |
| SW          | 3 <input type="checkbox"/> SULPHUR  | 6 1/2                        | <input checked="" type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input type="checkbox"/> OPEN HOLE<br><input type="checkbox"/> PLASTIC | .188                          | 1            | 74     |                                 |  |          |  |        |  |  |
| FW          | 4 <input type="checkbox"/> MINERALS |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
|             | 5 <input type="checkbox"/> GAS      |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
| CSW         | 3 <input type="checkbox"/> SULPHUR  |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
| FW          | 4 <input type="checkbox"/> MINERALS |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
|             | 5 <input type="checkbox"/> GAS      |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
| SW          | 3 <input type="checkbox"/> SULPHUR  |                              | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input checked="" type="checkbox"/> OPEN HOLE<br><input type="checkbox"/> PLASTIC |                               |              | 74     | 80                              |  |          |  |        |  |  |
| FW          | 4 <input type="checkbox"/> MINERALS |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
|             | 5 <input type="checkbox"/> GAS      |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
| SW          | 3 <input type="checkbox"/> SULPHUR  |                              | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input checked="" type="checkbox"/> OPEN HOLE<br><input type="checkbox"/> PLASTIC |                               |              |        |                                 |  |          |  |        |  |  |
| FW          | 4 <input type="checkbox"/> MINERALS |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
|             | 5 <input type="checkbox"/> GAS      |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
| SW          | 3 <input type="checkbox"/> SULPHUR  |                              | <input type="checkbox"/> STEEL<br><input type="checkbox"/> GALVANIZED<br><input type="checkbox"/> CONCRETE<br><input checked="" type="checkbox"/> OPEN HOLE<br><input type="checkbox"/> PLASTIC |                               |              |        |                                 |  |          |  |        |  |  |
| FW          | 4 <input type="checkbox"/> MINERALS |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |
|             | 5 <input type="checkbox"/> GAS      |                              |                                                                                                                                                                                                 |                               |              |        |                                 |  |          |  |        |  |  |

|                     |                          |            |                          |                                                                           |
|---------------------|--------------------------|------------|--------------------------|---------------------------------------------------------------------------|
| 10                  | PUMPING RATE             | 11-16      | DURATION OF PUMPING      |                                                                           |
| BAILER              | 20                       | CPM        | 2                        | 15-16 HOURS 17-18 MIN.                                                    |
| 19                  | WATER LEVELS DURING      |            | 1                        | <input type="checkbox"/> PUMPING                                          |
| PER LEVEL OF UMPING |                          |            | 2                        | <input type="checkbox"/> RECOVERY                                         |
| 22-24               | 15 MINUTES               | 30 MINUTES | 45 MINUTES               | 60 MINUTES                                                                |
| 55 FEET             | 15 FEET                  | 15 FEET    | 15 FEET                  | 15 FEET                                                                   |
| 28-31               | PUMP INTAKE SET AT       |            | WATER AT END OF TEST     |                                                                           |
| CPM                 | FEET                     |            | 1                        | <input type="checkbox"/> CLEAR <input checked="" type="checkbox"/> CLOUDY |
| 32                  | RECOMMENDED PUMP SETTING | 43-45      | RECOMMENDED PUMPING RATE | 46-48                                                                     |
| 3 DEEP              | 75                       | FEET       | 10                       | CPM                                                                       |

|   |                                                      |   |                                                         |
|---|------------------------------------------------------|---|---------------------------------------------------------|
| 1 | <input type="checkbox"/> WATER SUPPLY                | 8 | <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY |
| 2 | <input checked="" type="checkbox"/> OBSERVATION WELL | 9 | <input type="checkbox"/> ABANDONED POOR QUALITY         |
| 3 | <input type="checkbox"/> TEST HOLE                   |   | <input type="checkbox"/> UNFINISHED                     |
| 4 | <input type="checkbox"/> RECHARGE WELL               | 9 | <input type="checkbox"/> DEWATERING                     |

---

|   |                                              |   |                                                      |
|---|----------------------------------------------|---|------------------------------------------------------|
| 1 | <input checked="" type="checkbox"/> DOMESTIC | 5 | <input type="checkbox"/> COMMERCIAL                  |
| 2 | <input type="checkbox"/> STOCK               | 6 | <input type="checkbox"/> MUNICIPAL                   |
| 3 | <input type="checkbox"/> IRRIGATION          | 7 | <input type="checkbox"/> PUBLIC SUPPLY               |
| 4 | <input type="checkbox"/> INDUSTRIAL          | 8 | <input type="checkbox"/> COOLING OR AIR CONDITIONING |
|   | <input type="checkbox"/> OTHER               | 9 | <input type="checkbox"/> NOT USED                    |

---

|   |                                                |   |                                                                 |
|---|------------------------------------------------|---|-----------------------------------------------------------------|
| 1 | <input checked="" type="checkbox"/> CABLE TOOL | 6 | <input type="checkbox"/> BORING                                 |
| 2 | <input type="checkbox"/> ROTARY (CONVENTIONAL) | 7 | <input type="checkbox"/> DIAMOND                                |
| 3 | <input type="checkbox"/> ROTARY (REVERSE)      | 8 | <input type="checkbox"/> JETTING                                |
| 4 | <input type="checkbox"/> ROTARY (AIR)          | 9 | <input type="checkbox"/> DRIVING                                |
| 5 | <input type="checkbox"/> AIR PERCUSSION        |   | <input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER |

|                       |                                     |
|-----------------------|-------------------------------------|
| TRACTOR               | WELL CONTRACTOR'S<br>LICENSE NUMBER |
| WELL DRILLING LTD.    | 4005                                |
| HILLGROVE.ONT.LOR IVO | WELL TECHNICIAN'S<br>LICENSE NUMBER |
| ANNOR                 | T-0290                              |
| ENGINEER/CONTRACTOR   | SUBMISSION DATE                     |
|                       | DAY _____ MO _____ YR _____         |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

Wm 16

MILGROVE RIDER

MILGROVE RD (CON. S)

15491

DRILLER'S REMARKS

OFFICE USE ONLY

DATE OF INSPECTION

CONTRACTOR

DATE OF WELL LOG

JAN 15 1988

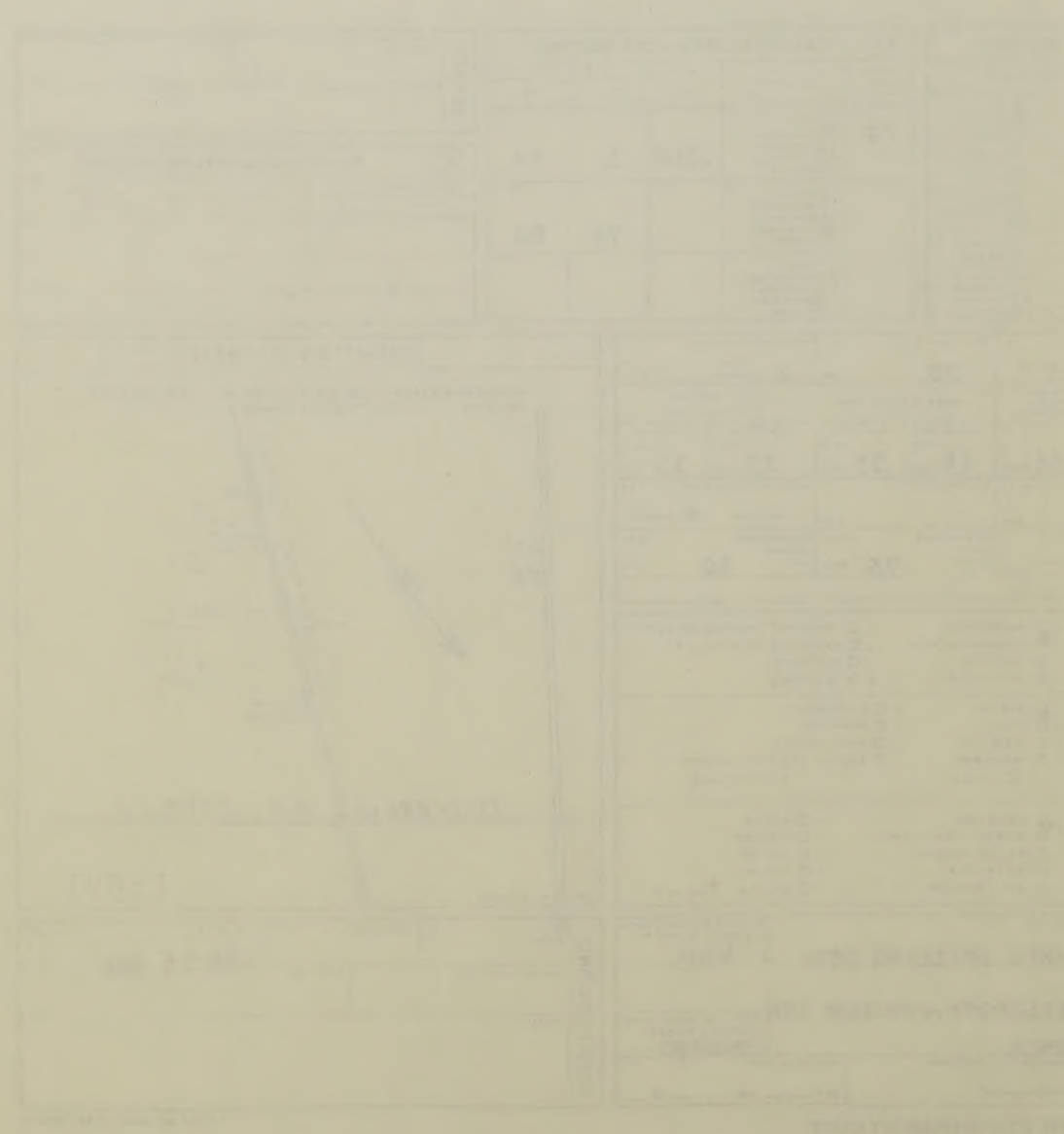
REMARKS

# WATER WELL RECORD

61112

WELL NO. 1  
 DATE OF RECORD 1911

| DATE | TIME | WELL NO. | DEPTH | WATER | TEMP. |
|------|------|----------|-------|-------|-------|
| 11   | 2    | 1        | 100   | 100   | 100   |
| 12   | 3    | 2        | 100   | 100   | 100   |
| 13   | 4    | 3        | 100   | 100   | 100   |
| 14   | 5    | 4        | 100   | 100   | 100   |
| 15   | 6    | 5        | 100   | 100   | 100   |
| 16   | 7    | 6        | 100   | 100   | 100   |
| 17   | 8    | 7        | 100   | 100   | 100   |
| 18   | 9    | 8        | 100   | 100   | 100   |
| 19   | 10   | 9        | 100   | 100   | 100   |
| 20   | 11   | 10       | 100   | 100   | 100   |
| 21   | 12   | 11       | 100   | 100   | 100   |
| 22   | 1    | 12       | 100   | 100   | 100   |
| 23   | 2    | 13       | 100   | 100   | 100   |
| 24   | 3    | 14       | 100   | 100   | 100   |
| 25   | 4    | 15       | 100   | 100   | 100   |
| 26   | 5    | 16       | 100   | 100   | 100   |
| 27   | 6    | 17       | 100   | 100   | 100   |
| 28   | 7    | 18       | 100   | 100   | 100   |
| 29   | 8    | 19       | 100   | 100   | 100   |
| 30   | 9    | 20       | 100   | 100   | 100   |
| 31   | 10   | 21       | 100   | 100   | 100   |
| 32   | 11   | 22       | 100   | 100   | 100   |
| 33   | 12   | 23       | 100   | 100   | 100   |
| 34   | 1    | 24       | 100   | 100   | 100   |
| 35   | 2    | 25       | 100   | 100   | 100   |
| 36   | 3    | 26       | 100   | 100   | 100   |
| 37   | 4    | 27       | 100   | 100   | 100   |
| 38   | 5    | 28       | 100   | 100   | 100   |
| 39   | 6    | 29       | 100   | 100   | 100   |
| 40   | 7    | 30       | 100   | 100   | 100   |





# WATER WELL RECORD

1 PRINT ONLY IN SPACES PROVIDED  
2 CHECK ☒ : ODD: 1 BOX A-1 (E) APP. 148, 1

11

6811464

68.005

492

|                     |                                           |                |     |
|---------------------|-------------------------------------------|----------------|-----|
| COUNTY OR DISTRICT  | OWNER'S HOME OR CHURCH OR PLACE           | CON.           | LOT |
| WENTWORTH           | (EASTFLAMBORO) FLAMBORO                   | CON.5          | 13  |
| OWNER SURNAME FIRST | ADDRESS                                   | DATE COMPLETED | NO. |
| STREET CLINT        | RR # 2 HAMILTON, ONT. 930 HWY #6, L8N 2Z7 | 4-8-88         |     |

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

| GENERAL COLOUR | MOST COMMON MATERIAL | OTHER MATERIALS | GENERAL DESCRIPTION | DEPTH - FEET |    |
|----------------|----------------------|-----------------|---------------------|--------------|----|
|                |                      |                 |                     | FROM         | TO |
| OPEN HOLE      |                      |                 |                     | 0            | 30 |
| BROWN          | SAND                 |                 | LOOSE               | 30           | 38 |
| BROWN          | CLAY                 | SAND            | LOOSE               | 38           | 43 |
| GREY           | CLAY                 |                 | LOOSE               | 43           | 50 |
| BROWN          | SAND                 |                 | LOOSE               | 50           | 70 |
| BROWN          | CLAY                 | SAND            | LOOSE               | 70           | 80 |
| GREY           | LIMESTONE            |                 | HARD                | 80           | 90 |
|                |                      |                 |                     |              |    |
|                |                      |                 |                     |              |    |
|                |                      |                 |                     |              |    |
|                |                      |                 |                     |              |    |
|                |                      |                 |                     |              |    |

31

32

| 41                  |                                  | WATER RECORD                        |                                    |
|---------------------|----------------------------------|-------------------------------------|------------------------------------|
| WATER FOUND AT FEET |                                  | KIND OF WATER                       |                                    |
| 87                  | NO. 13                           | 1 <input type="checkbox"/> FRESH    | 3 <input type="checkbox"/> SULPHUR |
|                     | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERALS | 6 <input type="checkbox"/> GAS     |
|                     | NO. 16                           | 1 <input type="checkbox"/> FRESH    | 3 <input type="checkbox"/> SULPHUR |
|                     | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERALS | 6 <input type="checkbox"/> GAS     |
|                     | NO. 20                           | 1 <input type="checkbox"/> FRESH    | 3 <input type="checkbox"/> SULPHUR |
|                     | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERALS | 6 <input type="checkbox"/> GAS     |
|                     | NO. 24                           | 1 <input type="checkbox"/> FRESH    | 3 <input type="checkbox"/> SULPHUR |
|                     | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERALS | 6 <input type="checkbox"/> GAS     |
|                     | NO. 28                           | 1 <input type="checkbox"/> FRESH    | 3 <input type="checkbox"/> SULPHUR |
|                     | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERALS | 6 <input type="checkbox"/> GAS     |
|                     | NO. 33                           | 1 <input type="checkbox"/> FRESH    | 3 <input type="checkbox"/> SULPHUR |
|                     | 2 <input type="checkbox"/> SALTY | 4 <input type="checkbox"/> MINERALS | 6 <input type="checkbox"/> GAS     |

| CASING & OPEN HOLE RECORD      |                                                                   |                            |            |       |
|--------------------------------|-------------------------------------------------------------------|----------------------------|------------|-------|
| 51<br>INSIDE<br>DIAM<br>INCHES | MATERIAL                                                          | WELL<br>INTERVAL<br>INCHES | DEPTH FEET |       |
|                                |                                                                   |                            | 15 M       | 10    |
| 19 11/16                       | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE<br>5 PLASTIC | 12                         | .188       | +1 80 |
| 17 1/2                         | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE<br>5 PLASTIC | 16                         |            | 80 90 |
| 24 15/16                       | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE<br>5 PLASTIC | 24                         |            |       |

|        |                     |       |          |              |          |       |
|--------|---------------------|-------|----------|--------------|----------|-------|
| SCREEN | SIZE OF OPENING     | 37-38 | DATE: 18 | 34-35        | DATE: 19 | 30-33 |
|        | WATER NO.           |       |          |              |          |       |
|        |                     |       | INCHES   |              |          | FEET  |
|        | WATER GALL AND TYPE |       |          | DEPTH TO TOP | 41-44    | 16    |
|        |                     |       |          | DI. OF PIPE  |          |       |
|        |                     |       |          |              |          | FEET  |

| PLUGGING & SEALING RECORD |        |       |                   |                   |  |
|---------------------------|--------|-------|-------------------|-------------------|--|
| 61                        |        |       |                   |                   |  |
| DATE                      | SERIAL | FEET  | MATERIAL AND TYPE | CEMENT CROWT      |  |
| FROM                      |        |       |                   | LEAD PACKER, ETC. |  |
| 10-12                     |        | 14-17 |                   |                   |  |
| 14-15                     |        | 17-18 |                   |                   |  |
| 18-19                     |        | 19-20 |                   |                   |  |

|                                                                           |                                                                              |                               |                        |                                                                               |                                                            |            |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------|------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------|------------|
| PUMPING TEST                                                              | PUMPING TEST METHOD                                                          |                               | 10 PUMPING RATE        |                                                                               | 11 TIME DURATION OF PUMPING                                |            |
|                                                                           | 1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILER |                               | 20 GPM                 |                                                                               | 1 15-16 HOURS 17 18 MIN.                                   |            |
|                                                                           | 14 STATIC LEVEL                                                              | 15 WATER LEVEL END OF PUMPING | 25 WATER LEVELS DURING |                                                                               | 16 PUMPING 17 <input checked="" type="checkbox"/> RECOVERY |            |
|                                                                           | 19 21                                                                        | 22 24                         | 15 MINUTES             | 30 MINUTES                                                                    | 45 MINUTES                                                 | 60 MINUTES |
|                                                                           | 25 FEET                                                                      | 75 FEET                       | 75 FEET                | 75 FEET                                                                       | 75 FEET                                                    | 75 FEET    |
| 18 FLOWING GIVE RATE                                                      |                                                                              | 20 21                         | PUMP INTAKE SET AT     |                                                                               | 22 WATER AT END OF TEST                                    |            |
| GPM                                                                       |                                                                              | FEET                          |                        | 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY |                                                            |            |
| RECOMMENDED PUMP TYPE                                                     |                                                                              | RECOMMENDED PUMP SETTING      |                        | 23 24 RECOMMENDED PUMPING RATE                                                |                                                            | 25 26 GPM  |
| <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP |                                                                              | 85                            |                        | 10                                                                            |                                                            |            |
| 30 31                                                                     |                                                                              |                               |                        |                                                                               |                                                            |            |

|                              |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FINAL<br>STATUS<br>OF WELL   | 1 <input type="checkbox"/> WATER SUPPLY<br>2 <input type="checkbox"/> OBSERVATION WELL<br>3 <input type="checkbox"/> TEST HOLE<br>4 <input type="checkbox"/> RECHARGE WELL                                                                  | 5 <input type="checkbox"/> ABANDONED INSUFFICIENT SUPPLY<br>6 <input type="checkbox"/> ABANDONED POOR QUALITY<br>7 <input type="checkbox"/> UNFINISHED<br>8 <input type="checkbox"/> DEWATERING                                 |
|                              | 9 <input type="checkbox"/> OTHER _____                                                                                                                                                                                                      | 10 <input type="checkbox"/> NOT USED                                                                                                                                                                                            |
| WATER<br>USE                 | 1 <input checked="" type="checkbox"/> DOMESTIC<br>2 <input type="checkbox"/> STOCK<br>3 <input type="checkbox"/> IRRIGATION<br>4 <input type="checkbox"/> INDUSTRIAL<br>5 <input type="checkbox"/> OTHER _____                              | 6 <input type="checkbox"/> COMMERCIAL<br>7 <input type="checkbox"/> MUNICIPAL<br>8 <input type="checkbox"/> PUBLIC SUPPLY<br>9 <input type="checkbox"/> COOLING OR AIR CONDITIONING<br>10 <input type="checkbox"/> NOT USED     |
|                              | 11 <input type="checkbox"/> OTHER _____                                                                                                                                                                                                     | 12 <input type="checkbox"/> NOT USED                                                                                                                                                                                            |
| METHOD<br>OF<br>CONSTRUCTION | 1 <input checked="" type="checkbox"/> CABLE TOOL<br>2 <input type="checkbox"/> ROTARY (CONVENTIONAL)<br>3 <input type="checkbox"/> ROTARY (REVERSE)<br>4 <input type="checkbox"/> ROTARY (AIR)<br>5 <input type="checkbox"/> AIR PERCUSSION | 6 <input type="checkbox"/> BORING<br>7 <input type="checkbox"/> DIAMOND<br>8 <input type="checkbox"/> JETTING<br>9 <input type="checkbox"/> DRIVING<br>10 <input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER _____ |
|                              | 11 <input type="checkbox"/> OTHER _____                                                                                                                                                                                                     | 12 <input type="checkbox"/> NOT USED                                                                                                                                                                                            |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE  
INDICATE NORTH BY ARROW

CCN 6

WELL

4950

HWY

46

CCN 5

31198

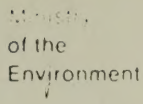
DRILLERS REMARKS

|            |                                    |  |                                     |  |
|------------|------------------------------------|--|-------------------------------------|--|
| CONTRACTOR | NAME OF WELL CONTRACTOR            |  | WELL CONTRACTOR<br>LICENCE NUMBER   |  |
|            | O'CONNOR WELL DRILLING LTD.        |  | 4005                                |  |
|            | ADDRESS                            |  |                                     |  |
|            | RR # 1 MILLGROVE, ONT. LOR 1V0     |  |                                     |  |
| CONTRACTOR | NAME OF WELL TECHNICIAN            |  | WELL TECHNICIAN'S<br>LICENCE NUMBER |  |
|            | W. HOWE                            |  | T-0518                              |  |
|            | SIGNATURE OF TECHNICIAN/CONTRACTOR |  | SUBMISSION DATE                     |  |
|            | <i>W. Howe</i>                     |  | DAY _____ MO _____ YR _____         |  |

|                 |                    |               |             |               |       |
|-----------------|--------------------|---------------|-------------|---------------|-------|
| OFFICE USE ONLY | DATA<br>SOURCE     | 14 CONTRACTOR | 15 AF       | DATE RECEIVED | 16 AS |
|                 | 4005               |               | AUG 22 1988 |               |       |
|                 | DATE OF INSPECTION |               | INSPECTION  |               |       |
|                 | REMARKS            |               |             |               |       |





2 CHECK ☒ CORRECT BOX WHEN APPLICABLE

11

6811466

68005

(0)

|                         |                                      |                |       |
|-------------------------|--------------------------------------|----------------|-------|
| COUNTY OR DISTRICT      | TOWNSHIP BORDOUCHE CITY TOWN VILLAGE | CON. 5         | 13    |
| WENTWORTH               | (EAST FLAMBORO) FLAMBORO             |                |       |
| OWNER - (SURNAME FIRST) | ADDRESS 24 CON. 6 E.                 | DATE COMPLETED | 48 11 |
| MODESTOU G.             | RR # 1 MILLGROVE, ONT. LOR 1VO       | 15             | 7 88  |

21

[illegible]

31

32

| 41 WATER RECORD       |       |                                                                  |                                                                                                       |
|-----------------------|-------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| WATER FOUND AT - FEET |       | KIND OF WATER                                                    |                                                                                                       |
| 91                    | 10-13 | <input type="checkbox"/> FRESH<br><input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> MINERALS<br><input type="checkbox"/> GAS |
|                       | 15-40 | <input type="checkbox"/> FRESH<br><input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> MINERALS<br><input type="checkbox"/> GAS |
|                       | 20-35 | <input type="checkbox"/> FRESH<br><input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> MINERALS<br><input type="checkbox"/> GAS |
|                       | 25-28 | <input type="checkbox"/> FRESH<br><input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> MINERALS<br><input type="checkbox"/> GAS |
|                       | 30-33 | <input type="checkbox"/> FRESH<br><input type="checkbox"/> SALTY | <input type="checkbox"/> SULPHUR<br><input type="checkbox"/> MINERALS<br><input type="checkbox"/> GAS |

| 51 CASING & OPEN HOLE RECORD |                                                                   |                       |            |     |
|------------------------------|-------------------------------------------------------------------|-----------------------|------------|-----|
| INSIDE DIAH INCHES           | MATERIAL                                                          | WALL THICKNESS INCHES | DEPTH FEET |     |
|                              |                                                                   |                       | FROM       | TO  |
| 6 1/4                        | 1 STEEL<br>2 GALVANIZED<br>3 CONCRETE<br>4 OPEN HOLE<br>5 PLASTIC | .188                  | + 1        | 86  |
|                              |                                                                   |                       | 86         | 100 |

| 61 PLUGGING & SEALING RECORD |       |                               |  |
|------------------------------|-------|-------------------------------|--|
| DEPTH SET AT FEET            |       | MATERIAL AND TYPE             |  |
| FROM                         | TO    | CEMENT GROUT LEAD PACKER ETC. |  |
| 10-13                        | 14-17 |                               |  |
| 18-21                        | 22-25 |                               |  |
| 26-29                        | 30-33 | 86                            |  |

|                                                                                  |                                                                                 |                            |                    |                                                                                  |                                                                           |                               |                     |  |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------|--------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------|---------------------|--|
| PUMPING TEST                                                                     | PUMPING TEST METHOD                                                             |                            | 10                 | PUMPING RATE                                                                     |                                                                           | 11-14                         | DURATION OF PUMPING |  |
|                                                                                  | 1 <input type="checkbox"/> PUMP    2 <input checked="" type="checkbox"/> BAILER |                            | 24                 |                                                                                  | CPM                                                                       | 1 15-10 HOURS    2 17-10 MIN. |                     |  |
|                                                                                  | STATIC LEVEL                                                                    | WATER LEVEL END OF PUMPING |                    | 25                                                                               |                                                                           | WATER LEVELS DURING           |                     |  |
|                                                                                  |                                                                                 |                            |                    |                                                                                  | 1 <input type="checkbox"/> PUMPING<br>2 <input type="checkbox"/> RECOVERY |                               |                     |  |
|                                                                                  | 10-24                                                                           | 24-26                      | 15 MINUTES         | 30 MINUTES                                                                       | 45 MINUTES                                                                | 90 MINUTES                    |                     |  |
|                                                                                  | 43 FEET                                                                         | 65 FEET                    | 43 FEET            | 43 FEET                                                                          | 43 FEET                                                                   | 43 FEET                       |                     |  |
| IF FLOWING GIVE RATE                                                             |                                                                                 | 26-31                      | PUMP INTAKE SET AT |                                                                                  | WATER AT END OF TEST                                                      |                               | 32                  |  |
| CPM                                                                              |                                                                                 | FEET                       |                    | 1 <input type="checkbox"/> CLEAR    2 <input checked="" type="checkbox"/> CLOUDY |                                                                           |                               |                     |  |
| RECOMMENDED PUMP TYPE                                                            |                                                                                 | RECOMMENDED PUMP SETTING   |                    | 43-45                                                                            | RECOMMENDED PUMPING RATE                                                  |                               | 46-49               |  |
| 1 <input type="checkbox"/> SHALLOW    2 <input checked="" type="checkbox"/> DEEP |                                                                                 | 95 FEET                    |                    | 10                                                                               |                                                                           | CPM                           |                     |  |
| 50-53                                                                            |                                                                                 |                            |                    |                                                                                  |                                                                           |                               |                     |  |

|                                       |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FINAL<br/>STATUS<br/>OF WELL</b>   | <b>14</b><br><input type="checkbox"/> 1 WATER SUPPLY<br><input type="checkbox"/> 2 OBSERVATION WELL<br><input type="checkbox"/> 3 TEST HOLE<br><input type="checkbox"/> 4 RECHARGE WELL                                                                  | <input type="checkbox"/> 5 ABANDONED INSUFFICIENT SUPPLY<br><input type="checkbox"/> 6 ABANDONED POOR QUALITY<br><input type="checkbox"/> 7 UNFINISHED<br><input type="checkbox"/> 8 DEWATERING                            |
|                                       | <b>55-56</b><br><b>WATER<br/>USE</b>                                                                                                                                                                                                                     |                                                                                                                                                                                                                            |
| <b>METHOD<br/>OF<br/>CONSTRUCTION</b> | <b>57</b><br><input checked="" type="checkbox"/> 1 DOMESTIC<br><input type="checkbox"/> 2 STOCK<br><input type="checkbox"/> 3 IRRIGATION<br><input type="checkbox"/> 4 INDUSTRIAL<br><input type="checkbox"/> OTHER _____                                | <input type="checkbox"/> 5 COMMERCIAL<br><input type="checkbox"/> 6 MUNICIPAL<br><input type="checkbox"/> 7 PUBLIC SUPPLY<br><input type="checkbox"/> 8 COOLING OR AIR CONDITIONING<br><input type="checkbox"/> 9 NOT USED |
|                                       | <b>58</b><br><input checked="" type="checkbox"/> 1 CABLE TOOL<br><input type="checkbox"/> 2 ROTARY (CONVENTIONAL)<br><input type="checkbox"/> 3 ROTARY (REVERSE)<br><input type="checkbox"/> 4 ROTARY (AIR)<br><input type="checkbox"/> 5 AIR PERCUSSION |                                                                                                                                                                                                                            |
|                                       |                                                                                                                                                                                                                                                          | <input type="checkbox"/> 6 BORING<br><input type="checkbox"/> 7 DIAMOND<br><input type="checkbox"/> 8 JETTING<br><input type="checkbox"/> 9 DRIVING<br><input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER     |

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW

HWY #6

CCN. 6 E.F.

#24

31055

DRILLERS REMARKS

|            |                                    |  |                                     |  |
|------------|------------------------------------|--|-------------------------------------|--|
| CONTRACTOR | NAME OF WELL CONTRACTOR            |  | WELL CONTRACTOR'S<br>LICENCE NUMBER |  |
|            | O'CONNOR WELL DRILLING LTD.        |  | 4005                                |  |
|            | ADDRESS                            |  |                                     |  |
|            | RR # 1 MILLGROVE, ONT. LOR 1V0     |  |                                     |  |
|            | NAME OF WELL TECHNICIAN            |  | WELL TECHNICIAN'S<br>LICENCE NUMBER |  |
|            | W. HOME                            |  | T-0518                              |  |
|            | SIGNATURE OF TECHNICIAN/CONTRACTOR |  | SUBMISSION DATE                     |  |
|            | <i>W. Home</i>                     |  | DAY _____ MO _____ YR _____         |  |

|                 |                    |               |           |               |       |
|-----------------|--------------------|---------------|-----------|---------------|-------|
| OFFICE USE ONLY | DATA SOURCE        | BY CONTRACTOR | 19 83     | DATE RECEIVED | 63 18 |
|                 |                    | 4005          |           | AUG 03 1988   |       |
|                 | DATE OF INSPECTION |               | INSPECTOR |               |       |
|                 | REMARKS            |               |           |               |       |







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| 25071 | BLACK/NOIR      | BG2507 |
| 25072 | BLUE/BLEU       | BU2507 |
| 25073 | R. BLUE/BLEU R. | BB2507 |
| 25074 | GREY/GRIS       | BD2507 |
| 25075 | GREEN/VERT      | BP2507 |
| 25077 | TANGERINE       | BA2507 |
| 25078 | RED/ROUGE       | BF2507 |
| 25079 | X. RED/ROUGE X. | BX2507 |

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